Better Homes and Gardens

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February 1949 • 25 cents

PHOTOGRAPHED BY VICTOR KEPPLER • SETTINGS: EVERETT BROWN, GRAND RAPIDS FURNITURE GUILD

New life for any room

☆ Glorious in color . . . lavish in texture, Tumble-Twist Rugs give a luxury look to any room, any style of setting. And because Tumble-Twist Rugs are stagger-woven of permanently-twisted, all cotton boucle, that bright beauty lasts for years . . . looks even lovelier with laundering! Room sizes and scatter sizes in a garden-riot of colors, all pre-shrunk. At America's smartest stores.

Tumble-Twist

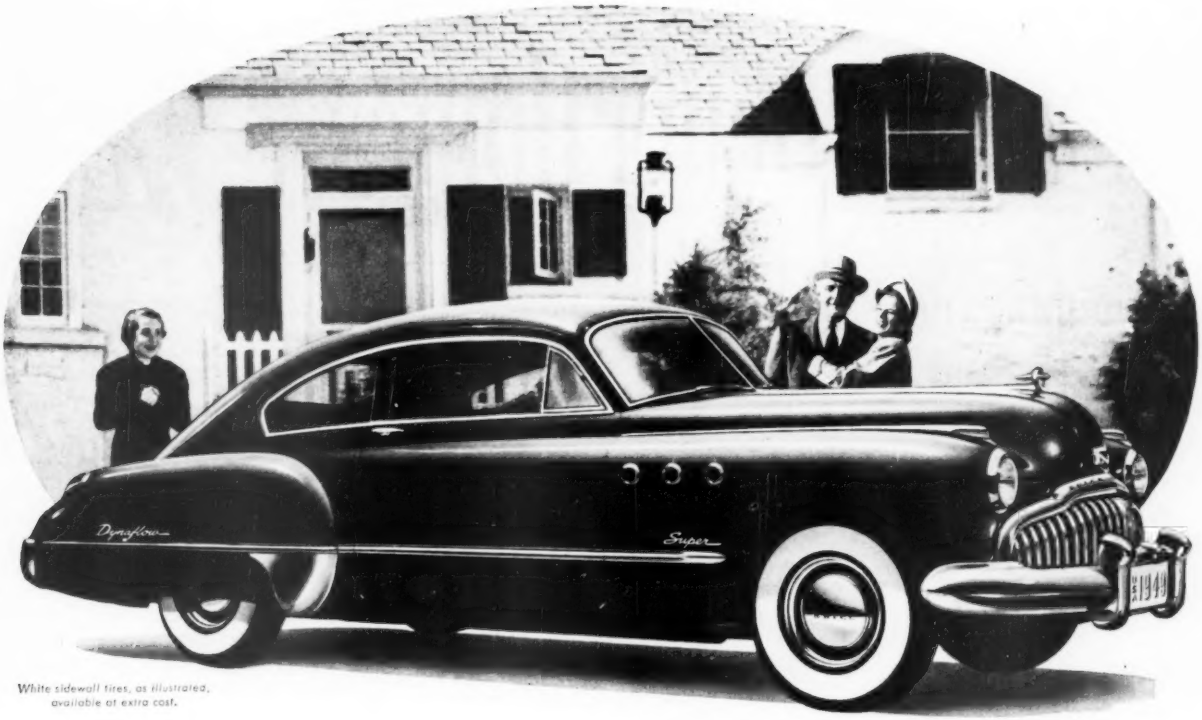
*Trade Mark Registered U.S. Pat. Off.

RUGS

"They Look Even Lovelier With Laundering."

Guaranteed by Good Housekeeping

LIBERTYVILLE TEXTILES, INC., CHICAGO 54, ILLINOIS



White sidewall tires, as illustrated, available at extra cost.

Makes the family's Beams come through

YOU can picture the first part easily enough — the bubbling excitement of your Lady and the youngsters as they see this spanking new Buick arriving at the door.

But — there's no containing the cheers when they sample the liquid-smoothness this big beauty gets from Dynaflow Drive†.

...When they see the room for you and your friends that's in gracious new interiors where even the softness of the seats adds appreciably to room overhead for hats and hairdos.

...When they discover they're sightseeing every foot of the way through greater glass area all round and a huge windshield curving into narrower corner posts for safer visibility for *you*.

...When they learn how much Fireball power means to effortless travel — how Hi-Poised engine mountings lull away vibration — what a wonderful ride is produced by coil springs at each wheel plus oversize tires on the industry's widest rims.

Fact is, there will be no end to *your* cheers either when you learn how much this Buick offers — at such surprising price-tag figures.

Check those now. Match Buick against the field for style and comfort and safety and sound value — and you'll get your firm order in.

BUICK DIVISION OF GENERAL MOTORS

†Standard on ROADMASTER models, optional at extra cost on SUPERS.

BUICK alone has all these features

Silk-smooth **DYNAFLOW DRIVE*** • **FULL-VIEW VISION** *from enlarged glass area* **SWING-EASY DOORS** *and easy access* • **"LIVING SPACE" INTERIORS** *with Deep-Cradle cushions* *Buoyant-riding* **QUADRUFLEX COIL SPRINGING** • *Lively* **FIREBALL STRAIGHT-EIGHT POWER** *with* **SELF-SETTING VALVE LIFTERS** *plus* **HI-POISED ENGINE MOUNTINGS** • *Cruiser-Line* **VENTIPORTS** • *Low-pressure tires on* **SAFETY-RIDE RIMS** • **DUREX BEARINGS,** *main and connecting rods* • **BODY BY FISHER**

*Standard on ROADMASTER, optional at extra cost on SUPER models.

Tune in HENRY J. TAYLOR, ABC Network, every Monday evening

MORE CLEARLY THAN EVER

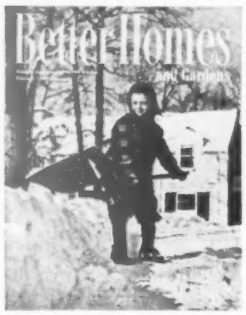
"Buick's the Buy"

WHEN BETTER AUTOMOBILES ARE BUILT BUICK WILL BUILD THEM

Better Homes and Gardens

FEBRUARY, 1949

Volume 27, Number 6



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Building: John Normile
Foods and Equipment: Myrna Johnston
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Rate yourself on this Home-Owners Quiz

The right answers can mean money in your pocket

Q. How much does insulation save on fuel bills?

☐ Up to 10% ☐ Up to 44% ☐ Up to 22%

A. An efficient insulation, such as KIMSUL*, installed in the ceilings and sidewalls of your new home, can save up to 44% each year on fuel bills. These savings will usually equal the cost of your insulation within four years. Thus KIMSUL quickly pays for itself.

Q. Who installs insulation?

☐ Skilled workmen ☐ Anyone ☐ Plumbers

A. Anyone can install KIMSUL in an existing home. You simply expand the blanket and fasten it in place. However, your dealer can arrange for professional installation in either your present or new home.

Q. How much does insulation add to the cost of building an average 6-room house?

☐ $600 ☐ $50 ☐ $150

A. Insulating throughout with KIMSUL is estimated at about 1% of the building cost. In the average 6-room house the cost is usually $100 to $150, or less than you'd pay for a new refrigerator.

Q. How long will insulation last?

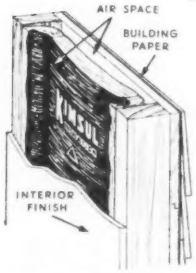
☐ About 20 yrs. ☐ For life ☐ 10 yrs.

A. KIMSUL will last for the life of your house—won't sag, sift or settle. It is permanently resistant to moisture, insects, vermin and mold. Each of its many layers—even its Pyrogard* cover—is individually treated to be fire-resistant.

Q. Where should a new house be insulated?

☐ Walls and basement ☐ Walls and attic

☐ Depends on how cold the winters are



A. The outside walls and attic of a new house should be insulated (also floors over basementless areas). The illustration shows how many-layer stitched KIMSUL, installed in the center of the wall space, provides scientific wall construction. Builders will tell you this is the most efficient way to insulate the walls—with air spaces on both sides of the insulation.

Q. When should a new house be insulated?

☐ In the summer ☐ When it's being built

☐ After it's a year old

A. Be sure to insulate your house *at the time you build*. If it's a choice between insulation and some special luxury equipment, choose the insulation. You can install the other equipment later at the same cost. But it costs *3 times as much* to insulate the sidewalls of a house if you wait till it's built!

Q. Can an old house be efficiently insulated?

☐ No ☐ Yes ☐ If it's not over 18 years old

A. Yes. A blanket of Double Thick KIMSUL, installed in the roof or attic spaces of your present house will make it a healthier, more comfortable place to live. The KIMSUL blanket in your attic alone can provide substantial fuel savings—often as much as 33%! Unlike loose-fill or blown-in types of insulation, the many-layer stitched design of KIMSUL provides uniform coverage over every inch of insulated area. No money-wasting thick spots, no thin spots where heat can leak out!

Q. What other benefits can I expect from insulation?

☐ Summer heat reduction ☐ Increased radiant warmth

☐ Winter draft reduction

A. You're right if you checked all three answers. With Double Thick KIMSUL in your attic, on hottest summer days your house will be appreciably cooler—possibly as much as 15°. In cold weather, walls, ceilings, and floors insulated with KIMSUL, have higher inside-surface temperatures, and thus contribute to radiant warmth within the house. In addition, these warmer surfaces do not create cold drafts.

*Trademark Reg. U. S. & Can. Pat. Off.

KIMSUL INSULATION
A PRODUCT OF Kimberly Clark RESEARCH

FREE INSULATION BOOKLET

KIMBERLY-CLARK CORPORATION
KIMSUL Division, Neenah, Wisconsin
Please send me one of your two *free* KIMSUL booklets:
☐ on insulating the home I'm planning.
☐ on insulating my present home.

Name .....

BHG-249

Address .....

City ..... *Zone* ..... *State* .....

Chained to a crusty pan?

Don't tie yourself up in knots over grease-crusted pans! Drop that gooey dishrag, and let a metal-fiber Brillo pad do your work!

Shine 'em quick with

BRILLO

Brillo has gumption! Just *swirls* off greasy scorch and baked-on crust! A square Brillo *pad-with-soap* whisks your pots and pans clean and shining in a flash! *Fast!* Neat! So easy! Use Brillo every day to keep pans bright as the day you bought 'em!

There's jeweler's polish in BRILLO!

Brillo makes pots and pans sparkle like new! Brillo's special-formula soap contains polishing ingredients that jewelers use to shine their precious metals!

GREEN box—pads and cake soap
RED box—soap-filled pads

Shines aluminum fast!

The ultimate family

I KNOW a man, who, as a boy, lived for a while in Mexico. Too young to excite the prejudices of the people among whom he was living, but old enough to form valid judgments, he lived—not with the charming, cultivated classes of that misunderstood country—but with illiterate Indians.

These people took him willingly into their homes. He slept the moon-drenched nights through on a petate unrolled on the earthen floors of their mud houses. He ate the tortillas and frijoles cooked by their women on open fires in chimneyless kitchens. He saw their contentment with little; their willingness to share the simple possessions of their poverty with any needy person; their unfailing courtesy; their kindness to children and to old people; their willingness to accept the hardships and evils of the day along with its blessings. He discovered them as persons, and he respected what he found. He has been incredulous ever since that any people may be inferior just because they are different.

▶ IN A SENSE, THIS MAN had the opportunity to apply the experimental method of science to the study of an alien people. We're often told, nowadays, that we have had too much of science; that it's driving us straight down the road to destruction. Perhaps it is, but certainly not in the field of human relations.

The method of science is: Before dogmatizing, first *find out the facts*. Is it a fact that the Japanese are an intrinsically stupid people, capable of clever copying, but without capacity for original thought? Ask any California educator! Let him produce his grade sheets, while he tells of the work of Ogura in navigation, of Noguchi in medical research, or of that unknown Japanese who discovered the method of the calculus centuries before Newton and Leibnitz were born. Is it a fact that Jews are crooks, that the Pope is anti-Christ, that the Protestant Church is the ally of the devil and the apostle of anarchy in morals? Is it a fact that Negroes are stupid, irresponsible children, interested only in merriment?

▶ IF THESE QUESTIONS are shocking, that is more reason to face the fact that each of them is being asked and answered affirmatively today in many dark corners of private discussion. They are being answered without first discovering the facts; answered emotionally on the basis of the ancient savage assumption that he who differs is a potential enemy.

The world has become too small for this sort of thing to be endured longer. The world, alas, grew up that way; but if we are to survive, it will have to reform; and that reform must begin with the individual, with the family, in the home. For today the world is like a family into whose membership all sorts of strange people have been suddenly and permanently introduced. If that were done in your own family, wouldn't you try to make the best of it, to discover virtues in these strangers, and, if possible, to enlist their loyalty? Of course you would. We as citizens of a jostling world can do no less.

▶ SCIENCE TELLS US that people everywhere, under the surface of custom, are fundamentally much alike. Everywhere, some are good, some bad, and the great majority are in the middle, just as they are in the family. They are weak, just as we ourselves are. They are kind, as we prefer to be. They are the prey of evil impulses, as are we all. They are sheep following leaders who make them do things they couldn't bring themselves to do singly.

Why must the world become a family? Simply because there is no other way out. It's as simple as that. Most of us have listened to scientists who worked on the atomic bomb. They are appalled. They are pleading for a revolution; not one of guns and barricades, but an ethical revolution. Force, they tell us, may no longer be the arbiter of destiny. If it's used once more, in all its present appalling power, civilization will disappear. More, it's possible that the earth may become uninhabitable in all its most fruitful parts.

They wish it were all undone, but that can't be. They see but one great shining hope: That fear and practical necessity may bring to practical application the truth that every great moralist through the ages has preached in futility—that men are brothers. At last, they hope, Cain may be answered.

▶ WE DON'T EXPECT perfection in the family. Somebody is always getting into trouble, and policemen are found in our streets. Sometimes we hurt those who love us, with an irrationally fiendish impulse to do or to say the thing that will cause the most pain. But all this doesn't, most of the time, destroy the family. In this new, tiny world, we must expect similar things among nations; but they must never again be allowed to disrupt our unity. If one of a family insists on sowing his solitary patch of wild oats, the rest are seldom able to stop him. But they maintain the family, and when the prodigal returns, as he usually does, he finds a welcome.

▶ SO LET IT BE ALWAYS, among men and among the nations, not just through Brotherhood Week (February 20-27), but through all the weeks through all the years to come.

Editor

Automatic laundry machines give you whiter wash with real hot water. The automatic Rheem can be dialed up to 180° on washdays, flicked back to normal for day to day needs.

"Meet Your New Servant"

An automatic water heater requires no attention—will serve you round the clock if your needs are diagnosed before you buy.

By R. E. James
Rheem Engineering Consultant

Today, you no longer simply buy a water heater. You call in an expert to help you select an automatic appliance in exactly the right size, and fuel, that will anticipate every need for hot water in your home.

Then you won't run the risk of running out when washing machines, tubs and taps need hot water most. Neither will you have fears when you're away from home because an automatic water heater shuts itself off when hot water is not in use—goes on again only to keep the full tank ready for your taps, and at the temperature you want.

Two precautions will keep your hot water flowing for years to come without trouble or expense. Have a competent plumber carefully determine your maximum hot water requirements—and be sure to get a *reliable* water heater—RHEEM . . . brand name of the world's largest maker.

This is the "brain" of the Rheem gas models. The dependable Grayson Unitrol. *You* set the thermostat for the water temperature you want. The *control* automatically feeds gas as required to maintain the preset temperature. Goes on and off by itself. Even shuts off all fuel if the pilot light should go out.

And this is the "heart" of the Rheem. A long-life warranted steel tank, evenly fused with zinc by the patented* Rheem-Process. Prevents tiny pinholes that lead to leaks and corrosion. It is being sheathed in a thick blanket of Fiberglas insulation to *keep* the water hot when the burner is off. *Pat. No. 2444833

All Fuels, All Automatic, All Guaranteed. The Rheem comes in many sizes and models for gas, including "bottled," oil and electricity. Rheem automatic water heaters and other home comfort appliances are merchandised through selected wholesale distributors to your plumbing and heating dealer.

FREE For everything you should know about a reliable new water heater, just fill in, clip and mail. A handsome, descriptive booklet will be rushed.

Rheem R

Rheem Manufacturing Co., Dept. BH-2
570 Lexington Ave., New York 22, N.Y.

Name _____

Address _____

City _____ State _____

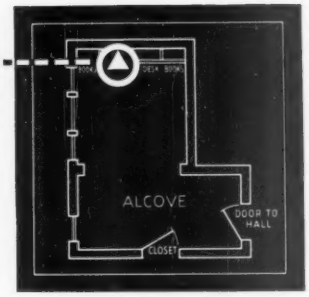
Foreign affiliated companies in Brisbane, Melbourne, Sydney, Rio de Janeiro, Singapore, Hamilton, Canada and Zaan Dam, Holland.

Rely on Rheem

WORLD'S LARGEST MAKER OF AUTOMATIC WATER HEATERS

to keep telephone wires

BEHIND THE SCENES...



After carefully planning lovely settings for your new home, you'll want to be sure that nothing mars their beauty. You'll want telephone wires concealed. And that's easy to arrange, if you act before you build.

Simply mark on your plans the places where you'll want to have a telephone. Call them to the attention of your builder or architect. Then, while construction is going on, a few sections of pipe or tubing can be run inside the walls to carry telephone wires to built-in outlets. Later, when telephones are installed, the wires can be run through these raceways to each telephone installed.

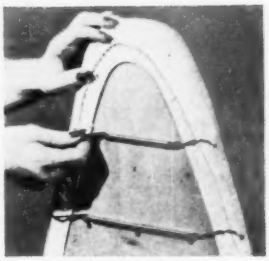
For complete details on this important home feature, call your nearest Bell Telephone Business Office and ask for "Architects and Builders Service."

BELL TELEPHONE SYSTEM

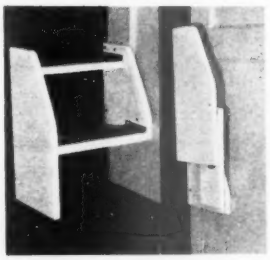
It's NEWS to Me!

By Gretchen King

Door closer shuts the door behind you or may be locked to hold the door open when desired. This neat aluminum and stainless-steel unit may be used on inside or outside doors with left- or right-hand closing, push or pull action. Finger-tip control button regulates speed of closing. *Yoke Model Brake-O-Matic* closer for screen, storm, or inside doors, $2.95; *Torpedo Model* for heavy outside doors, $3.95; at dealers or direct from The Mitchell-White Corporation, 12 E. 22nd St., New York 10, New York.



Spring holders clamp to sides of ironing board to hold cover and pad taut and wrinkle-free. Springs release readily when cover is removed for laundering. Holders eliminate tiresome job of tacking cover in place. Holders are nickel-plated steel, graduated in length to fit slope of board. Set of 5 *Covertite Holders*, 75c, in stores or ppd. Wenson Products Co., 1647 Rockwell Ave., Cleveland 14, Ohio.



Two-step ladder fastens on closet door or wall to make top shelves readily available. Ladder is ivory-finished wood; 12" x 3¾" steps are rubber treaded. Steps fold flat against door or wall when not in use (right), are firm and steady when unfolded. *On-A-Dor Ladder, Model L* for doors with left-hand knob, *Model R* for right-hand; $3.95, in stores or ppd. On-A-Dor Company, 43-23 42nd St., Long Island City 4, New York.

The Dot Snapper family now includes *Wood Snappers* to fasten dressing-table skirts, bed skirts, closet trimming, or valance-board covers in place. Stud of snapper is fastened to wood with attaching tools from regular Dot Snapper Kit; no nails or screws are used. Socket of snapper attaches to skirt or ruffling. Snap trimming on in a hurry, unsnap for laundering. Dot Snapper Kit, with tools, $1; refill pack of 12 *Dot Wood Snappers* is 50c; in stores only. John Dritz & Sons, 1115 Broadway, New York 10, New York.

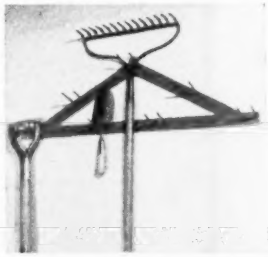
Beater for those hand-whipping jobs has all gears enclosed in a red plastic housing so no food can splatter into the works to slow up motion or throw gears out of alignment. Ease of action is maintained even after repeated washings. *Whip-R-Well Mixer*, $1.98, in stores. Thos. J. White Plastics Co., Inc., 7818 Weaver Ave., St. Louis 17, Missouri.

Tree protector lets young trees grow unmolested by rabbits or other rodents. Waterproof-plastic protector, 12″ high, is made in two sections that interlock to form complete circle of safety around tree trunk. Units may be placed one on top of the other to carry protection as high as needed; keeps trunk growing straight, protects against sunscald and winterburn. *Cee-Tee Tree Protector*, 49c each or 6 for $2.94, at dealers. Como-Tex Co., Board of Trade Bldg., Chicago 4, Illinois.

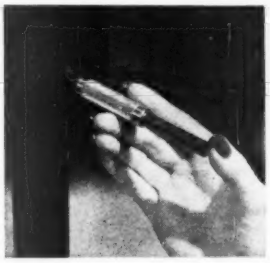
Laundry cart helps in every phase of laundry work, saves steps and labor. Aluminum frame supports canvas hamper. Chain on legs keeps them from spreading and tipping. Wring clothes directly into hamper, then fold frame to carry clothes to line. Carries like a suitcase so you see where you're stepping, even up and down stairs. Just as useful for bringing laundry in, or holding ironing. *Wash Day Maid* with 4 rubber-tipped feet, $4.95, in stores or ppd. Wheels available, 2 for 50c. Allied Industries, 1220 Grand Ave., Des Moines, Iowa.

Training steps for the toddler add 10½″ to his height, provide a hand-hold at each side to steady his feet. All aluminum, the steps are feather-light to carry, but support up to 100 lbs. weight. Steps are grooved to prevent skids. Over-all height, 22″. *All-Tot Two-Step Trainer*, in stores or ppd., $3.95. All-Tot Sales Co., 1398 E. Ninth So., Salt Lake City 5, Utah.

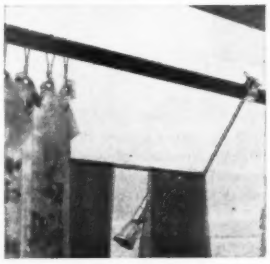
Tool holder for garage or basement wall supports 7 standard tools up off the floor where they stay clean and dry. Holder is heavy steel, finished in green enamel. It is designed to let tools hang straight without interfering with each other in storage or when removed or replaced. *Garden Tool Holder*, $2.50, in stores or ppd. from Burger Forge, P.O. Box 488, Elgin, Illinois.



Hypodermic needle injects new life into old furniture joints. A small drill at one end of the tool bores a tiny hole in the heart of a joint to be mended. The other end of the tool is a syringe that forces glue through the tube and into the joint. Any standard furniture glue will work, to strengthen shaky table legs or loose chair rungs. *Glue Injector*, $1.25, in stores or ppd. Duplicon Company, Inc., 37 Saddle Hill Road, Hopkinton, Massachusetts.



Drying space is provided behind the shower curtain where washbowl laundry can drip into the tub and dry out of sight. Or the bar can hold towels, or swing the shower curtains outside tub for faster drying. Heavy chrome-plated bar adjusts from 36″ to 72″ to fit stall or tub showers; clamps to curtain bar with wing bolt. Need not be removed when not in use. *Handi-Arm*, $2.69, in stores or ppd. Flynn-Carson, 2514 W. Shakespeare Ave., Chicago 47, Illinois.



More "news" on page 12

So New!
So Exciting!
you have to see it, and read by it to believe it.

The greatest name in home lighting, LIGHTOLIER, gives you the greatest improvement in home lighting of the generation. Decoralite is a beautiful picture on glass or plexiglass, that becomes a perfect reading-in-bed light, at the flick of a bedside switch. You hang it above your bed—like a picture; you plug it in—like a lamp. Decoralite comes in many lovely designs and colors—for every bedroom, or as a decorative accent for any room in the house. See them at fine stores—from $19.95.

it's Decoralite by

LIGHTOLIER

11 E. 36, N.Y.C. 1267 M'dse Mart, Chicago 12th at Folsom, San Francisco

Creators of Fashion-Right Fixtures and Lamps

LIGHTOLIER, 11 East 36th Street, New York 16, N. Y. Dept. No. BH-2

I want to see the new Decoralite designs. Please send me your full color folder showing all the new models.

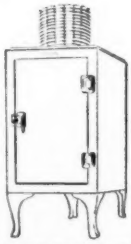
NAME .....

ADDRESS .....

CITY ..... ZONE ..... STATE .....

General Electric proudly announces . . .

More than



In the old "Monitor Top" model (at right) General Electric developed the sealed-in refrigerating system that has set an unsurpassed record for dependable performance. Shown above is the latest General Electric model—the new 1949 Refrigerator-Home Freezer Combination. Your friendly General Electric retailer will be glad to show you the different models and sizes in General Electric's complete new 1949 line.

2 million in use 10 years or longer!

• If you are thinking of buying a refrigerator, the statement above has a significance for you far beyond the manufacturer's justifiable pride in a well-made product.

Your investment in *any* refrigerator is a major one . . . and here is assurance that you invest wisely when you choose a General Electric. For a refrigerator's *most important advantage*—one that cannot be demonstrated on the showroom floor—is *trustworthy service* . . . every minute of every day, for years and years to come.

No other refrigerator can excel General Electric's record for dependable, economical performance!

Read what users say:

"The reason for my writing this letter is to tell you about our electric refrigerator which we bought in 1931. We have never had anything repaired on it in the 17 years that we have had it. The General Electric Company really must take great care and use good materials in their products."

MRS. WILLIAM D. ZINK
141 West Oley St., Reading, Pa.

"A G-E Refrigerator has given 20 years of continuous and efficient service in three households—in the kitchens of a mother and two of her daughters as they became married—now back in mother's kitchen after an absence of fifteen years, where it is serving as well as it did when new in 1928.

"During all these years it has not cost any of the three families a single cent for service or repairs, except 95 cents for a new rubber door-sealing gasket."

HENRY B. GOODMAN
New London, Conn.

"I feel that the General Electric Company would like to know that I have had a General Electric Refrigerator for 20 years. It is in good condition and still running night and day. Maybe you would also like to know that it has never had a service call."

MRS. A. J. HETTRICK
Oswego, Ill.

"On June 10th, 1930 I purchased a General Electric Refrigerator. It has run continuously since then and is still going strong. It has never caused me one bit of trouble and the motor is as quiet as the day I bought it. I think this is a wonderful record and I wanted you to know about it. You may be sure I shall always buy General Electric products."

MRS. AGNES D. EY
West Warren, Mass.

"In April 1929, we bought one of the coil-type (Monitor Top) models and it has been running continuously for 19 years and so far we have not spent *one cent* on it."

MRS. HARRY W. WOMACK
Havana, Fla.

"We have a General Electric Refrigerator bought in 1926 . . . in constant use all these years. It has never been serviced. This is a record I think even General Electric can be proud of."

MRS. H. BADER, *Puyallup, Wash.*

"Seventeen years ago this month my husband presented me with a *G-E refrigerator* as a birthday gift. Since then, summer and winter, it has served us continuously and during all that time our only expense on it was a new gasket for the door."

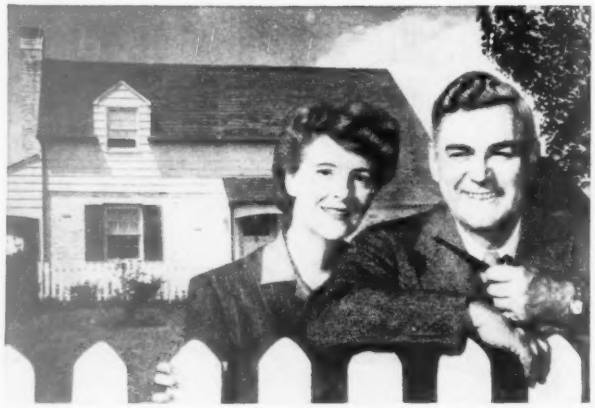
MRS. W. H. FOSTER, *Eureka, Ill.*

The Basic Reason:

The basic reason for the long and faithful service record of General Electric Refrigerators lies in the famous G-E "sealed-in" refrigerating system. This type of oiltight, airtight system, developed by General Electric, is recognized as the greatest of all contributions to dependable, efficient, economical performance in household refrigerators. General Electric Company, Bridgeport 2, Conn.

SPACE MAKER Refrigerators

GENERAL ELECTRIC



How we retired with $200 a month

ANN WAS DRESSING for the theatre, and while I waited that night I leafed through a magazine. I remember the date—August 17, 1926—because it was my 40th birthday, and we were getting ready to celebrate it.

As I turned the pages, my eyes rested on an ad. Maybe the reason it stopped me was that just that evening at dinner Ann and I had been talking about the same thing . . . our *hopes for the future.*

After all, we were pretty much like a lot of married couples. We found it hard to save. Money seemed to go out as fast as it came in. So, even in our happiest moments, there was always the worrisome thought that this couldn't last forever. I *was* getting older. Someday I might not be able to keep on working so hard. What then?

There on the page was the answer. There was just what we needed. I read the ad through to the very end. It told about Phoenix Mutual Retirement Income Plans, and how we could get a guaranteed income of $200 a month or more, beginning when I reached 60. And it wasn't just an income for myself alone. The Plan actually provided an income *as long as either my wife or I lived!*

When Ann came down, I was tearing a corner off the page. First coupon in my life I'd ever torn out. I stuck it in an envelope and mailed it on our way to the show.

Twenty years go mighty fast! The crash . . . the depression . . . the war. I couldn't foresee them. But I never had to worry about my Phoenix Mutual Plan.

A few years ago, Ann and I celebrated my sixtieth birthday. And it *was* a celebration! For, soon after, I got my first Phoenix Mutual check—and *retired!* Those checks will keep coming in—as long as either Ann or I live!

Now we can relax and enjoy our home and garden as never before. All because I started my Phoenix Mutual Plan—*in time*—while my best earning years were still ahead. You can do it, too.

Send for Free Booklet

This story is typical. Assuming you qualify at a young enough age, you can get any income you want—up to $200 a month and more—starting at age 55, 60, 65 or 70. Send the coupon and receive—by mail and without charge—a booklet that tells about Phoenix Mutual Plans. There are similar plans for women. Don't delay. Send for your copy *now!*

PHOENIX MUTUAL
Retirement Income Plan
GUARANTEES YOUR FUTURE

PLAN FOR WOMEN

PHOENIX MUTUAL LIFE INSURANCE CO.
756 Elm Street, Hartford 15, Conn.

Please mail me, without cost or obligation, your illustrated booklet describing Retirement Income Plans for women.

Name _____
Date of Birth _____
Business Address _____
_____
Home Address _____

PLAN FOR MEN

PHOENIX MUTUAL LIFE INSURANCE CO.
756 Elm Street, Hartford 15, Conn.

Please mail me, without cost or obligation, your illustrated booklet showing how to get a guaranteed income for life.

Name _____
Date of Birth _____
Business Address _____
_____
Home Address _____

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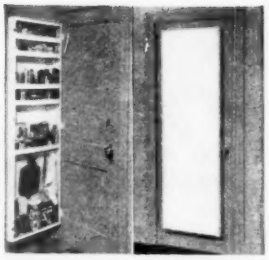
It's NEWS to me!

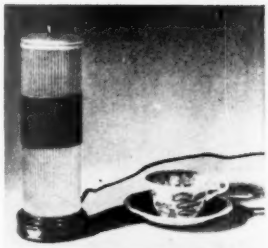
Begins on page 8



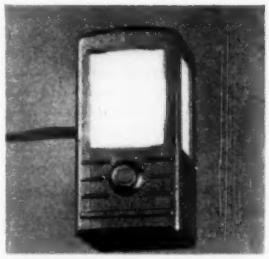
Shelved cabinet adds extra storage space on kitchen, bathroom, or bedroom door. Cabinet is 22-gauge steel, enameled white or ivory; 20¾" x 68"; shelves are 3⅜" deep and adjust to any arrangement you need. Three pin-type hinges hold cabinet in place over door paneling, while a latch at front keeps it shut. *Dor-Cab* shown is $24.95; de luxe model with full-length mirror, $39.95; in stores only. Dor-Cab Corporation, 516 Manheim St., Philadelphia 44, Pennsylvania.

Flexible long-arm reaches into inaccessible spots for you, retrieves objects dropped down a drain. It also sets and starts screws in hard-to-reach places. Pressure on plunger at top forces four spring-steel fingers out at the bottom; as pressure is lessened, the fingers close on the object and grasp it firmly. *Magic Fingers*, $1.59, in stores or ppd. G & D Products, Box 1074 U. P. Sta., Des Moines, Iowa.

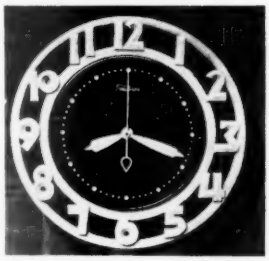
Remove ice-cube trays from freezing unit without damage to trays or unit. *Trays-Out* was designed primarily to pry frozen trays out of place, but is equally as effective in scraping frost from home freezers during defrosting. Tool is alloy aluminum, smoothly finished. In stores only, *Trays-Out* is 39c. Porter Brothers, 264 W. Pike St., Covington, Kentucky.



Boil water in just 3 minutes to make instant coffee or tea right at the table. Pint container is all aluminum, lined and insulated; plugs into electric socket. Thermostat brings contents to boiling, then holds heat just below that point indefinitely. *Cof-Tea Electric Server* is $9.95, in stores only. Welcamp Metal Products Co., 1952 Anthony Ave., Bronx, New York.



Front-porch light is combined with bell push, so when callers ring your doorbell, the entrance lights up. Light stays on 5 minutes, then turns itself off. Mounted on outside wall, the light connects with electric socket inside house, utilizes a 60-watt bulb. Cast aluminum finished in copper or antiqued bronze, *Lynd-Lyte* is 7½"x4"x3¼" deep; $6.95, in stores or ppd. Lynd-Lyte Manufacturing Co., 5011 Clark Ave., Cleveland 2, Ohio.



Electric time in your kitchen can be decorative as well as accurate. This clock may be hung on wall or inset so perforated white-plastic numeral band is flush with wall. Color of wall behind band shows through. Dial is red, blue, gray, or tan with white minute markings and hands. Outside diameter is 7⅛". The *Telechron Decorator Clock*, with 6-ft. cord, is $5.95 plus Federal tax, in stores only. Telechron Inc., Ashland, Massachusetts.

Andersen Gliding Window Units in Sam Baron Home, Pine Bend, Minnesota

ANDERSEN *Windowalls*

Lucky you... when your new home is equipped with the finest of windows... ANDERSEN WINDOWALLS... the windows that perform the functions of both walls and windows. There are thousands of ways these factory pre-fabricated wood window units can be combined to welcome sunlight and fresh air into your home... to frame a lovely view... and to keep your home cozy and warm in winter. Write today for information.

Mail this Coupon for Windowall Idea Booklet

Andersen Corporation
Bayport, Minnesota **BHG29**

Gentlemen:
Send literature on Andersen WINDOWALLS.

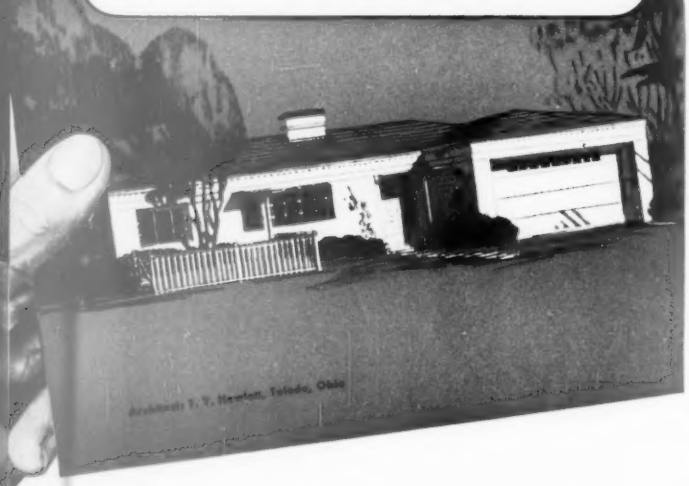
Name _____

Address _____

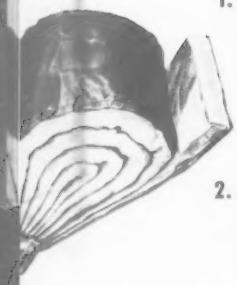
City _____ Zone _____

State _____

"Only ONE building insulation does a complete job"



Get this 2-in-1 protection . . . at no extra cost



1. Inorganic — Ageless glass wool
   - Fiberglas,* the most efficient mineral wool, can't rot, burn or absorb moisture.
   - Feather-light: never packs down in walls.
   - Permanently efficient barrier to heat, helps keep home comfortable—winter and summer.
   - Provides no food for insects or vermin.
2. Enclosed roll blanket — continuous barrier
   - Speedy, foolproof installation.
   - Superior moisture protection.
   - Easy for workmen to apply correctly.

Only FIBERGLAS Building Insulation gives you BOTH features

When you build, buy or remodel, you can be sure of 2-in-1 protection with Fiberglas Building Insulation. It is the only mineral wool roll blanket on the market, yet it costs no more than ordinary insulation.

Used in appropriate forms in leading makes of ranges and refrigerators, in planes, trains and busses, Fiberglas Insulation is universally known and accepted.

You can easily see why more builders use Fiberglas than any other building insulation.

Sold by top-flight lumber and building supply dealers everywhere. Distributed by Armstrong, Certain-teed, Flintkote and Kelley Island. Product of Owens-Corning Fiberglas Corporation, Department 2100, Toledo 1, O.

In Canada: Fiberglas Canada Ltd., Toronto, Ontario

*FIBERGLAS is the trademark (Reg. U.S. Pat. Off.) for a variety of products made of or with glass fibers by Owens-Corning Fiberglas Corporation.

For the best in "blown-in" insulation, look for name of your local Fiberglas applicator under "insulation" in classified phone directory

OWENS-CORNING FIBERGLAS

BUILDING INSULATION

Floor-length windows

They make the most of sunlight or a terrace view

By Marguerite Cottington

RIPPING up one living-room wall to change the size of your windows won't be fun. And (unless you're a contractor) it won't be a spare-time job. But if your living room is dark and glum, or if you're missing a view of trees and lawn outside, changing windows may pay handsome dividends. The Earl Chalbergs of Glen Ellyn, Illinois, found that new floor-length windows gave them a bright, uncluttered, modern living room. Like this:

Photograph: Balzhiser

Before. Clever drapery or curtain treatment couldn't make these windows look attractive or well spaced. And even in summer the windows were too high and small to let much sunlight into the living room

Suter, Hedrich-Blessing, Ltd.

After. Window over the radiator at left was plastered up; now the wall has stopped looking cluttered. Then the small windows above the sofa were replaced with a glass door and flanking floor-length windows that take advantage of streaming sunlight and give depth to the room

I'll turn your heating plant to lower fuel saving temperature at bedtime and keep it there all night—*automatically.*

I'll wake up your heating plant, *automatically,* before you wake up in the morning.

I'll see . . that your home is warm and cozy, *automatically,* before you roll out of the covers.

I'll keep your family in perfect comfort all day, *automatically.*

I'll do . . . a better job of controlling your heating plant than your present plain thermostat.

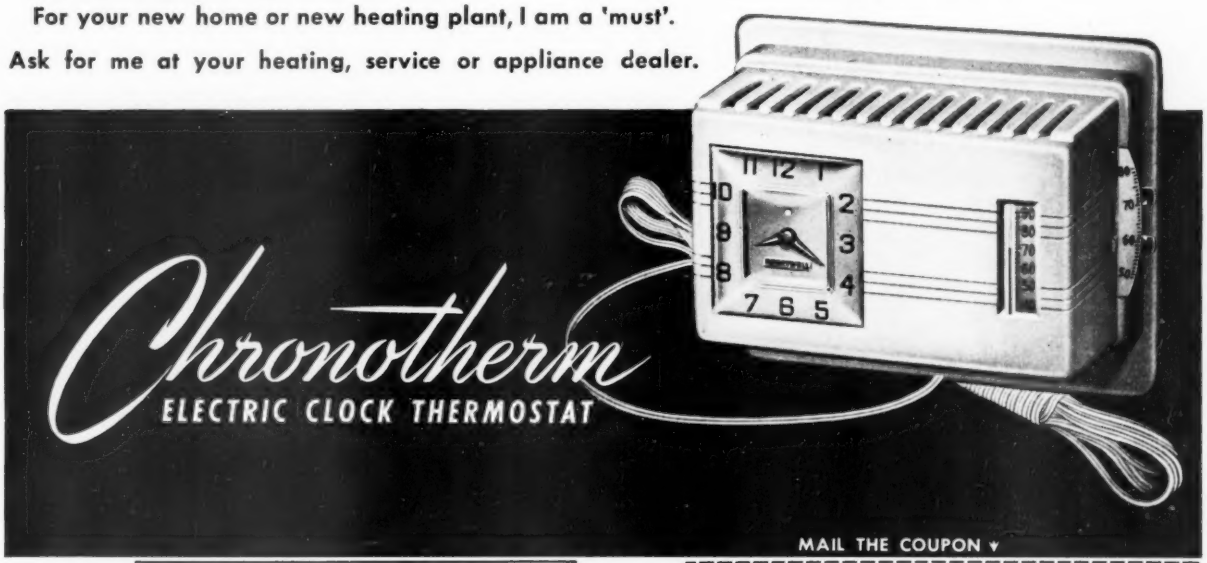
I'll pay . . for myself before you know it by saving 10% or more of your fuel bill.

You can install me yourself in less than ten minutes in place of your present thermostat. I cost only $39.50, including federal tax.

For your new home or new heating plant, I am a 'must'.

Ask for me at your heating, service or appliance dealer.

Automatically Yours



MAIL THE COUPON ▾

MINNEAPOLIS
Honeywell
CONTROL SYSTEMS

MINNEAPOLIS-HONEYWELL REGULATOR COMPANY
2713 Fourth Avenue South • Minneapolis 8, Minnesota
Send me the fuel-saving, comfort story of the "Plug-In" Chronotherm, telling how it can be easily connected in a few minutes.

Name _____
Address _____
City _____ State _____

MINNEAPOLIS-HONEYWELL REGULATOR COMPANY • MINNEAPOLIS 8, MINNESOTA • CANADIAN PLANT • TORONTO 17, ONTARIO

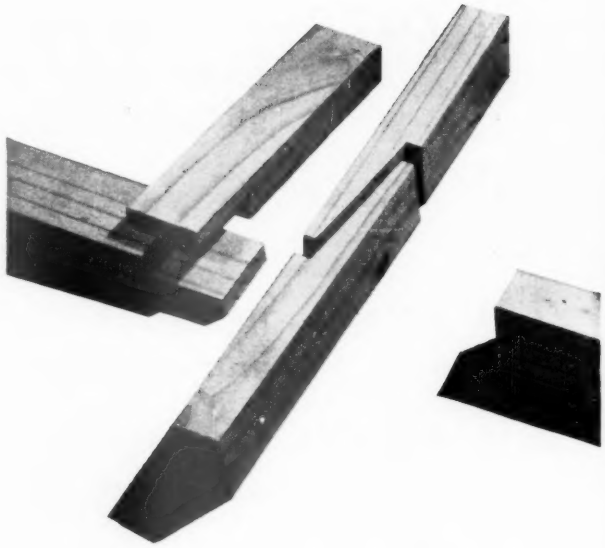
Look for this brand name when you buy cream cheese

For a topping that doesn't go phoof!

With a spoon, whip a little milk into this soft snowy-white cream cheese. Just that easily you have a topping to turn an ordinary dessert into "something special." A topping that's rich and delicately fresh in flavor—and one that *stands up*. Be sure you get genuine Philadelphia Brand; it's *always* fresh.

FAR MORE FOOD SHOPPERS BUY PHILADELPHIA BRAND THAN ALL OTHER BRANDS OF CONSUMER PACKAGED CREAM CHEESE COMBINED.

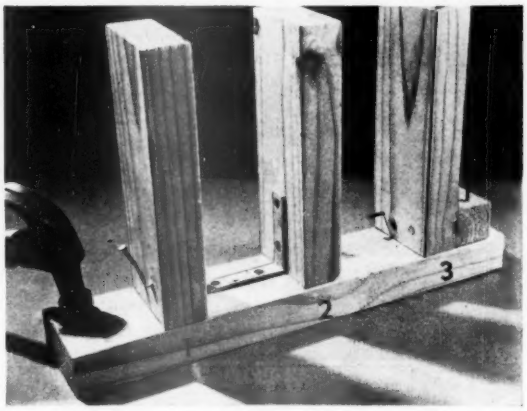
THERE IS ONLY ONE "PHILADELPHIA" CREAM CHEESE . . . THE BRAND THAT'S MADE BY KRAFT AND GUARANTEED FRESH.



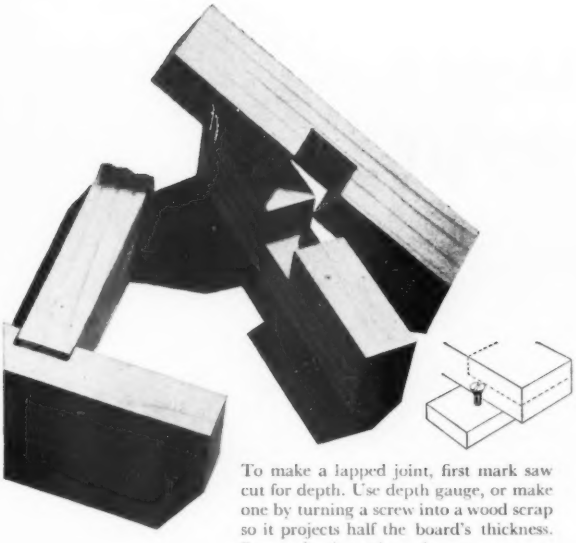
How to fasten two

Second of two articles: Simple joints you can make, how to use glue and metal fasteners

By John Webster



To hold a butted upright. A toenailed joint (1) will be at its best if you are careful not to slant the nails at too great an angle. Angle plates (2) can be attached singly or in pairs, on one or both sides of the upright. Wood cleats (3) are easy to make and use, and have the advantage of the strength given by two-directional nailing. Nail the cleat to the bottom board first, then nail on the upright.



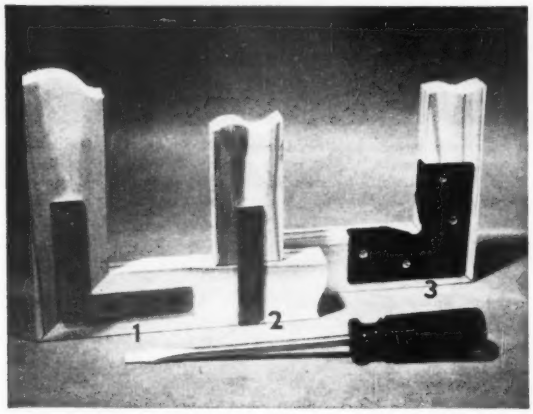
To make a lapped joint, first mark saw cut for depth. Use depth gauge, or make one by turning a screw into a wood scrap so it projects half the board's thickness. Saw to depth mark, make extra saw cuts in waste, then remove waste with chisel

boards together

ON ROUGH or temporary jobs, you can fasten two boards together by butting them against each other and driving nails or screws (see page 94, January *Better Homes & Gardens*).

But to finish a job in a craftsman-like way, you'll want to strengthen joints and improve their appearance. With care and patience, you can do both, using ordinary hand tools.

Simple lapped joints can be made with a handsaw and a sharp chisel. Glue (page 176) will make any joint stronger. Metal fasteners often make a difficult job easy. Here are ways you can give your home carpentry a professional touch.



Metal plates. Among the joint-making aids at your hardware store are these metal plates. Each provides a quick, secure fastening. Pictured are a corner plate (1), a mending plate (2), and a screen corner brace (3). With metal plates, it is not essential that you miter right-angle corners, but mitering will give you a neater joint.

More pictures on page 173

EAGLE-PICHER Combination Storm Windows and Screens

You'll be surprised at how quickly you'll change from screens to storm windows when you have these aluminum *combination* windows. No more lifting or lugging . . . no tools or ladders needed! You change 'em in *minutes*, from inside the house. Slide out the screen, slip in the storm sash — *zip*, it's done.

You'll be delighted with the beauty these streamlined windows add to your home. Their soft gray finish, narrow frames, blend in with any house-style and color.

You'll be pleased with the fuel savings you get. The extra pane of glass, the carefully engineered weather-tight fit, reduce your heat-loss through windows as much as 30% —cut your fuel bills by many dollars per year! Expertly installed, they *can't* warp. You get *permanent* service . . . fuel economy.

And now you can get combination storm and screen doors and removable sashes for picture windows of the same durable, beautiful aluminum!

Made by the producers of Eagle-Picher Insulation for Homes

EAGLE EP PICHER

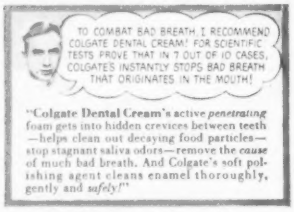
THE EAGLE-PICHER COMPANY, Dept. BH-25, Cincinnati (1), Ohio
Gentlemen: Without obligating me, please send particulars about the new Eagle-Picher Combination Storm Window and Screen. (Please check only one.)

☐ For present home ☐ For future home ☐ Students

Name _____

Address _____ *Zone* _____

City _____ *County* _____ *State* _____



"Colgate Dental Cream's active *penetrating* foam gets into hidden crevices between teeth—helps clean out decaying food particles—stop stagnant saliva odors—remove the *cause* of much bad breath. And Colgate's soft polishing agent cleans enamel thoroughly, gently and *safely!*"

LATER—Thanks to Colgate Dental Cream

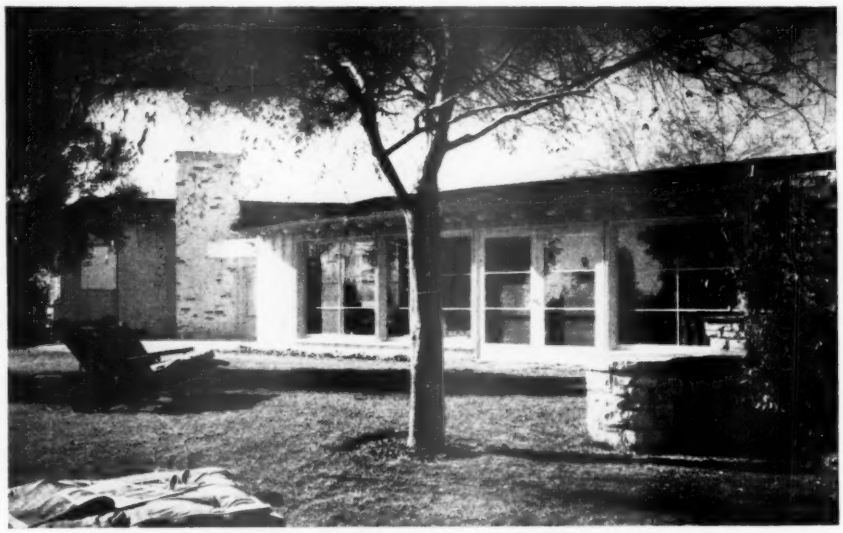
Always use
COLGATE DENTAL CREAM
after you eat and before every date

Once a terrace...

Photographs: Harry Baskerville

Now a porch!

By Elizabeth Gilrain



The Craigs had a terrace at the rear of their house, but needed more useful living space. The concrete made an excellent subfloor. Now the Craigs still have enough terrace (far left) to enjoy, and a porch besides. Large glass areas are in scale with the rest of the house, are easy to see out of, and easy to keep clean. Getting an attractive pitch for the roof was the big problem, solved with a low shed roof

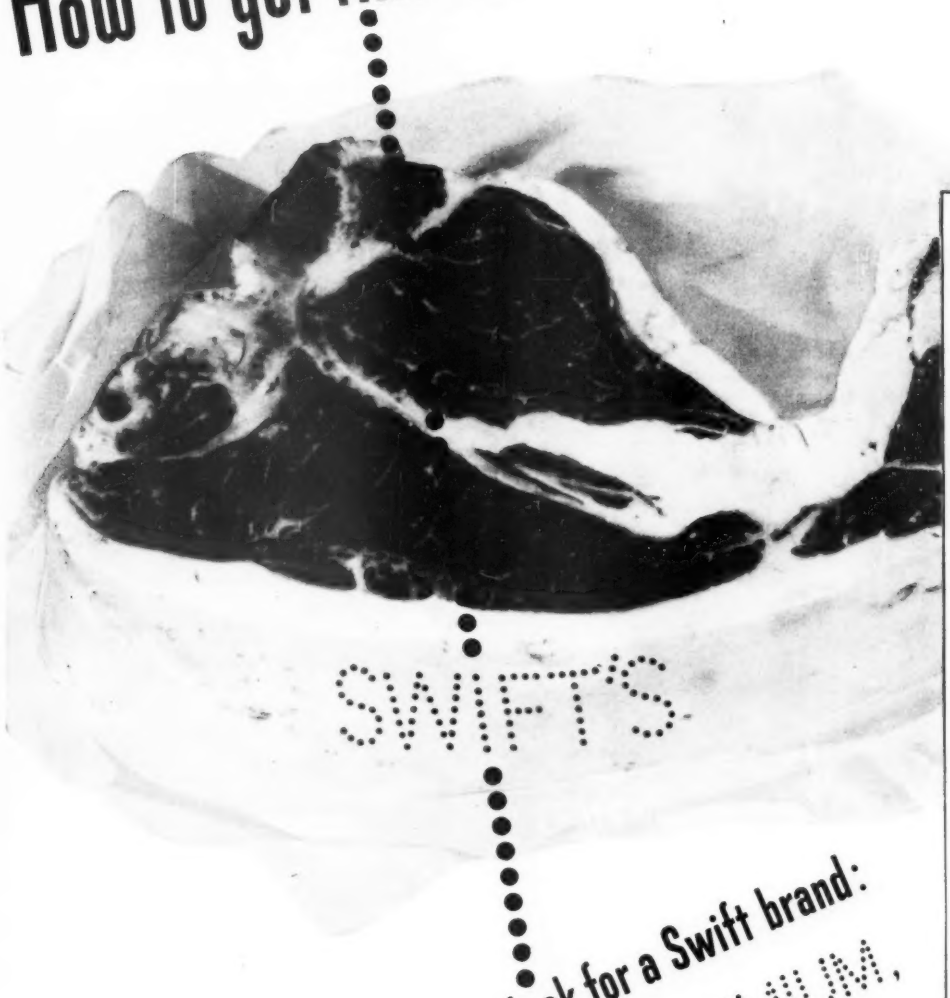
YOUR terrace can become another all-weather living room—without too much expense, and without spoiling the lines of the rest of your house.

Take the home of Mr. and Mrs. Talton R. Craig, Sr., in Canoga Park, California. There an odd-job room was needed—for reading, lounging, and entertaining guests. The designer, Cliff May of Los Angeles, solved the problem by planning a porch that enclosed most of the original terrace.

The porch is built from the same materials as the house itself, and is tied in so skillfully that it looks as if it had always been there. Its long glassed wall keeps out the weather without shutting out sunlight or view.

More on page 20

How to get fine steaks every time...



Just look for a Swift brand: SWIFT'S PREMIUM, SWIFT'S SELECT or SWIFT'S ARROW right on the meat!

YOU'LL ALWAYS GET FINE BEEF if you buy by a Swift brand name. *Right on the meat*, the brand name identifies beef selected by Swift experts for tenderness and flavor . . . the pick of all the vast amounts they see. *Swift's Premium*, *Swift's Select*, and *Swift's Arrow*—those are the three top brands. Look for them . . . on thrifty cuts or choice ones . . . whenever you buy beef. Now especially, when every morsel counts, your best buy is beef you can *depend* on, to the last tender tidbit!

A SWIFT QUALITY FOOD

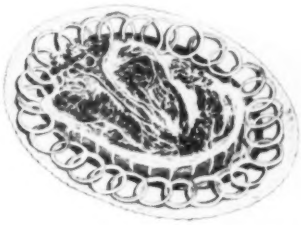
Martha Logan

Swift's Home Economist, tells you

HOW TO GIVE A STEAK A BREAK

EVEN THOSE FINER Swift branded steaks are better for proper broiling: Slash fat along edge in several places to prevent curling. Preheat broiler. Place steak on broiler rack 3" from heat source. A 1½" steak takes 10 min. each side for rare, 12 min. for med., 13 min. for well done.

TURN STEAK CAREFULLY to avoid piercing—tongs are best. To test for *doneness*, cut along bone with a sharp knife and *peek!* Season each side of steak after it is browned, not before. And *do* serve the steak on a really hot platter. A garnish of rosy onion rings (marinated in pickled beet juice) is an epicurean touch.



NO NEED TO WASTE A BIT of that Swift branded steak. Leftover fat may be cut in bits and used in hash browned potatoes. The flank end (less tender than the other two muscles) can make another meal—sliced fine for meat pie, sandwiches, salad, or meat sauce for a noodle or rice casserole.

"This is my kind of a house, Mister!"

If you really want to find out about the materials that go into a good house, it's not a bad idea to talk to one of the carpenters. One of the new materials he'll probably tell you about is Armstrong's Temlok®—the sheathing that adds so much strength to exterior walls and the lath that provides a strong base for plaster.

Armstrong's Temlok is made of wood, separated into fibers which are then formed into boards that are both strong and light in weight. There are millions of tiny still-air spaces between the fibers that keep heat from going through. That's why a house built with Temlok is warmer in winter and cooler in summer.

With all these advantages, Temlok costs no more than ordinary materials. Actually, it saves you money. The big, convenient boards of Temlok Sheathing and Lath go up fast, cutting labor costs. And forever after, your fuel bills are smaller because Temlok stops heat loss. Ask your lumber dealer for samples and complete information about Armstrong's Temlok before you build or remodel.

WRITE FOR FREE BOOKLET, "How to Build a More Comfortable New Home." It's packed with ideas about building methods and materials, illustrated in color. Write to the Armstrong Cork Company, Building Materials Division, 4902 Farnum St., Lancaster, Pennsylvania.

ARMSTRONG'S TEMLOK

One of the building materials made by the makers of Armstrong's Linoleum

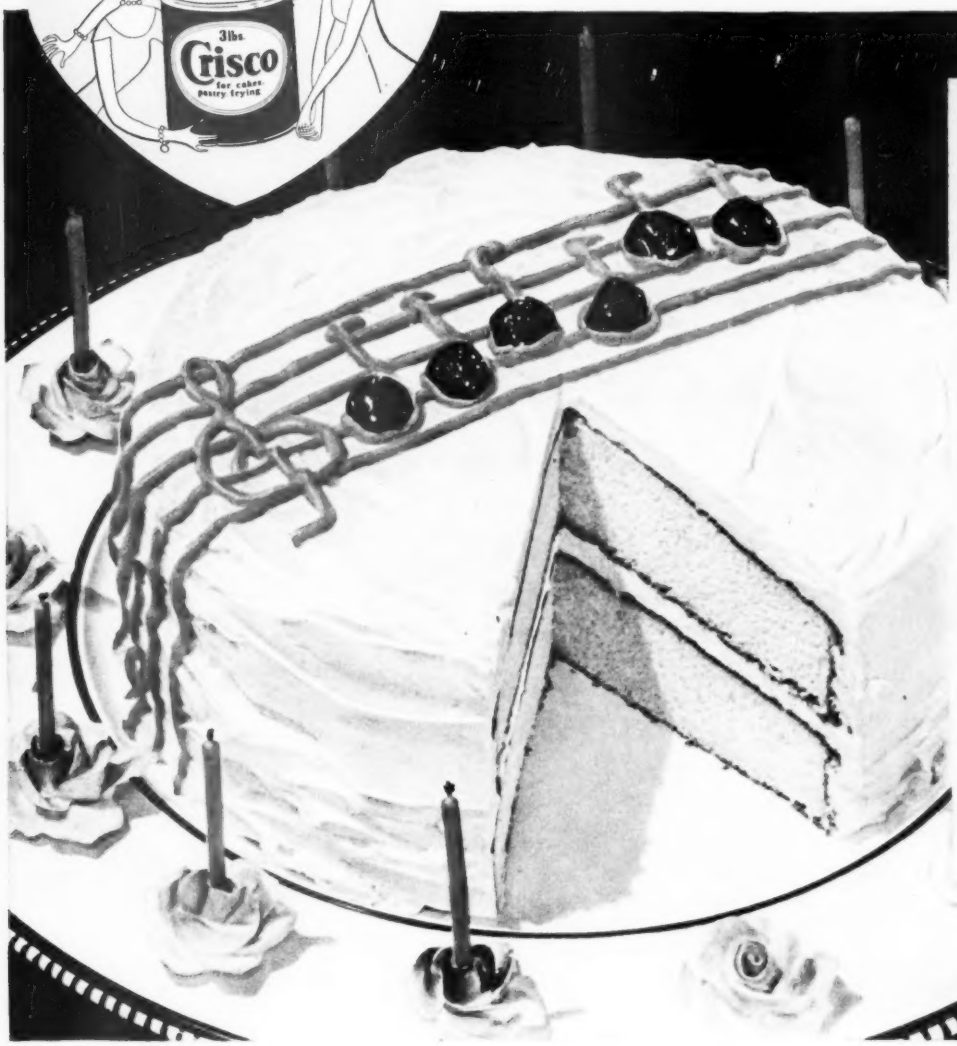
Terrace into porch

Begins on page 18

Translucent glass in the bay window of the breakfast alcove permits light to enter, but provides privacy from the porch. Planting box at base of bay helps maintain the outdoorsy feeling on the porch. Interior walls are flush paneled; floor is asphalt tile; ceiling beams are exposed

Both ends of the porch taper into a V where the porch joins the house. At one end is a combination magazine rack, display shelf, and storage unit. Backs of the three racks are sloped so magazines stand upright. Note space heater which is built into storage unit between two cabinets

Crisco—the One and Only—Discovered this Better Baking Secret!



HAPPY BIRTHDAY CAKE
(Makes 2 nine-inch layers)

Follow directions carefully, be sure to use Crisco, and we *promise* you a lighter, richer, moister, more tender cake. The Crisco Cake Method is different—that's why it's sure-fire!

Measure into bowl (All measurements level):

2½ cups cake flour (sifted before measuring)
1⅔ cups sugar
⅔ cup Crisco
1 tsp. salt
¾ cup milk

Blend by hand or in mixer 2 mins. Now, stir in:

3½ tsps. double-acting baking powder*

Add: **½ cup milk • 3 eggs • 1 tsp. vanilla**

Blend by hand or in mixer for 2 mins. Pour into 2 layer pans (9" x 1½" deep) rubbed with Crisco and lined with waxed paper. (For smaller pans, fill half full, bake cup cakes with remaining batter.) Bake in moderate oven (375°F.) for 30-35 mins. Cool; frost with creamy icing:—

2 tablespoons water
4⅓ tablespoons granulated sugar
2⅓ cups sifted confectioners sugar
1 egg • ⅔ cup Crisco • 1 tsp. vanilla

Boil water and granulated sugar together one min.; cool. Beat confectioners sugar with egg. Combine two mixtures. Add Crisco, vanilla; beat until creamy. Remove ⅓ cup of icing. Tint with a few drops of green coloring. Spread white icing between layers, on sides, and on top of cake. With knife or pastry tube place fine lines of icing one-half inch apart to make scale. Use candied cherries for notes.

**With tartrate type use 4½ tsps.*

NEW! BIGGER! BETTER! CRISCO COOK BOOK. Just out, gives you 161 exciting new recipes, lots of full-color picture pages. Send 25¢ in coin and a Crisco label, any size, for *New Recipes for Good Eating.* Mail to Crisco, Dept. BG, Box 837, Cincinnati 1, Ohio. Offer good in continental U. S. and Hawaii.

Musical bars from "Happy Birthday To You"—by permission of the copyright owner, Clayton F. Summy Co.

It's lighter!—It's richer!—It's made with Crisco!

Make a cake the Crisco way and you'll never go back to old-fashioned methods, old-fashioned shortenings! Here's why you can be sure:

You see, pure, all-vegetable Crisco has a wonderful baking secret you find in no other type of shortening. And all Crisco's famous Success Cake recipes are built around that secret. What does that mean to *you?* Lighter, richer, moister, more tender cakes than you'll get with any other type of shortening, or ordinary recipe!

It's quick! A Success Cake takes 4 minutes to mix! There's no creaming, no long, tiresome beating. It's foolproof! Crisco's Success Cake method gives you luscious cakes *every time!*

Of course, pure, creamy Crisco adds extra goodness to any cake, any recipe. But for cakes at their delicious best, you want Crisco *plus* the Crisco Success Cake method. *Try it today!* Discover another big reason why more women are cooking with Crisco than any other vegetable shortening!

For cakes and pies and tasty fries!

USE CRISCO

IT'S DIGESTIBLE!

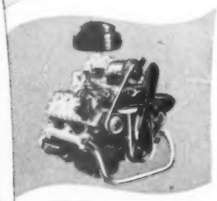
White side wall tires, optional at extra cost.

There's a NEW Ford in your future

Beauty fore and aft
plus the "Mid Ship" ride

You Ride "Mid Ship" . . . seats are placed *between* the wheels, not over the wheels. The center of gravity is lower to give you a new road-hugging ride.

Ford's out front in styling with the look of the year! Long graceful lines and its new low center of gravity give it that "Dream Car" silhouette.



100 H.P. V-8 . . . In both V-8 and SIX you get new, economical "Equa-Flo" Cooling, new "Deep Breath" manifolding and a new lubrication system.

95 H.P. SIX . . . Ford's new six-cylinder power house is one of the two big "Equa-Poise" engines you can pick for your Ford. Gas savings up to 10%.

New "Hydra-Coil" Front Springs and new "Para-Flex" Rear Springs soak up the bumps.

How to

Shape their habits

Whether your child's habits are good or bad depends on you. You can make an ally of habit

By Daisy Jenney Clay

GOOD habits are like tomatoes. They're a fine thing but don't just happen. It's up to you to plant and cultivate them. Here's how.

1. Start with a limited goal. Your child can't learn a dozen points at once. Concentrate on one or two things. Attempt to cover the whole behavior at once and you'll fail. Your child will feel that no matter how hard he tries, he can never please you. There is always *something* wrong. So see that one goal is reached before going on to the next.

2. Look ahead and anticipate difficulties. As much as possible, keep ahead of the game—foresee situations and guide your child's reactions into the desired channels.

A friend of mine raises chickens. When her young chicks are graduated from brooder to coop, she spends several evenings seeing to it that they go to sleep in the proper roosting corner. They never get a chance to form the habit of sleeping in the wrong place. Chickens and children are different, but the principle holds. If you delay starting a good habit until its opposite is set, you have one strike against you to start with.

3. Take the positive approach in changing bad habits. If a poor habit is there to be dealt with, let's be, even here, positive. Don't break the bad habit, but replace it with a good one. Instead of "Don't come into the house with those muddy feet!", get a door mat and say cheerfully, "Wipe your feet!" It requires patience, time, and effort the first few days, but think of the time, effort, and unpleasantness you are saved afterwards.

4. Make good habits satisfying. We must remember that repetition alone will not do the trick.

It is repetition plus satisfaction that forms a habit. When we get Johnnie to do something we want to become habitual, we must see to it that he gets some kind of pleasant reaction from it. Virtue may be its own reward, but not to a child or a teen-ager. The least we can reward him with is a hearty "That's fine!" not an ungracious, "Well, you see you can do it when you want to!"

I'm not for paying our children to be good, but I strongly believe in giving them a reward in recognition—not a bribe, but a reward. We give rewards to our boy scouts, and to our soldiers, and we don't consider them bribes. They are like the grade of 100 on the examination paper. It wasn't much fun handing in papers when the teacher didn't mark them. Remember?

5. Keep your sense of humor. Let's not spoil the satisfaction end by lack of good humor. Take it for granted that habits are hard to break and hard to form. I had a lesson in this regard when I changed the place where I kept my reading glasses, and I reached mechanically for the old place several dozen times before I established the rhythm of using the new one. Their brakes and their self-starters are weak. "I forgot" and "I didn't think" are the stock alibis of our children—and perfectly justified.

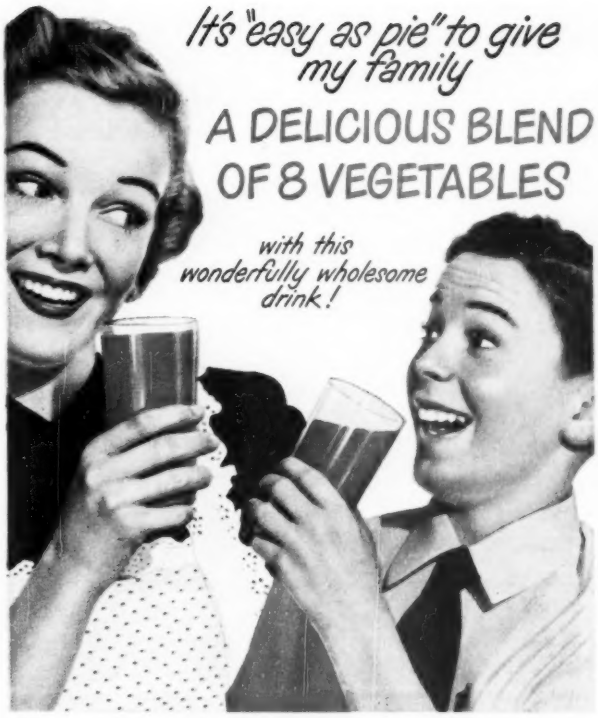
So keep the understanding twinkle in your eye as you give needed reminders. A sense of humor helps immensely. One mother I know, observing the various places her young son dropped his coat and hat when he came into the house, put up "No Parking" signs in these spots. It worked—with laughter.

6. Teen-agers may backslide. At adolescence, so many good habits which we had thought were set into our children's character seem to melt away overnight. Our youngsters are trying their wings, evaluating the family attitudes and ways of living. But eventually they come back into the familiar groove. It helps if we parents do not become panic-stricken. In adolescence our children must, it seems, be like the others of their crowd. So if we are wise, we will bend every effort to see that they have friends whose pattern is a desirable one.

These teen years bring unfamiliar situations and new problems to our youngsters. Their inexperience and confusion make doubly necessary that we help them, without undue interference and direction, to form good life patterns.

It takes wisdom and it takes work, but that's what makes a parent's life rich.

A Better Homes & Gardens child care and training feature



THIS IS HOW IT HAPPENED...

IMPORTANT!

Put a pitcher of V-8 on the table at every meal. Serve it between meals, too. Every delicious glass contains nutrients of 8 different vegetables:—

CELERY LETTUCE
PARSLEY CARROTS
SPINACH TOMATOES
BEETS WATERCRESS

*V-8 is a trademark owned in the United States by Campbell Soup Company, in Canada by Campbell Soup Company Ltd

"I put wings on breakfast —with this quick, can't-fail coffee!"

Lady, *your* husband will murmur "Strictly from heaven!"—when he gets his coffee pronto and just right every morning. That's the magic of Nescafé*...!

Magically convenient! Just measure Nescafé to suit taste—add piping hot water and stir. Coffee's ready—*perfect* coffee! No guesswork for strength you like. And as easy to make coffee for all as to make a single cup.

Magically fresh! With all the flavor and "lift" of freshly brewed coffee. Because Nescafé's choice, selected coffees *are* freshly brewed by experts. Then all the goodness is *sealed into* Nescafé by added carbohydrates until you release it *fresh* in the cup.

You'll spend less time in the kitchen when you serve Nescafé—for breakfast, lunch, dinner, or any time between. Always keep a jar on hand. Get Nescafé today—in the regular size or big economy size jar.

NESCAFÉ makes coffee right— every morning, noon or night!

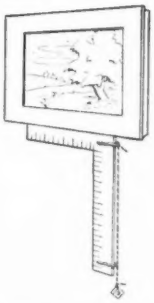
Nescafé cuts coffee bills, too!

Serve Nescafé as your *regular* coffee—and save! Even a small jar makes about as many cups as a pound of ordinary ground coffee—*yet costs less in actual cash.*

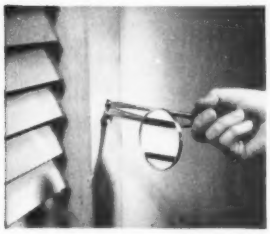
GET THE BIG ECONOMY SIZE JAR

*Nescafé (pronounced NES-CAFAY) is the exclusive registered trade-mark of The Nestlé Company, Inc. to designate its soluble coffee product. It is composed of equal parts of pure soluble coffee and added carbohydrates (dextrins, maltose and dextrose) added solely to protect the flavor.

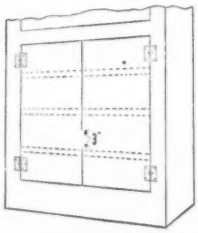
How-to for the handy man



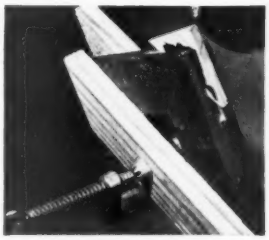
Square becomes level. With a carpenter's square, you can straighten a picture or do almost any leveling job. Slip two bobby pins on square as sketched. Let each protrude 1/8 inch. Tie string weighted with a nut to top bobby pin. Put short arm of square against bottom of picture. Tilt frame until string touches bottom pin



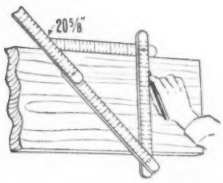
Mirror for inspecting callers. To help your wife decide whether to open the back door for a peddler, install an automobile side-view mirror outside adjoining window. Adjust it so she can see the caller without being seen



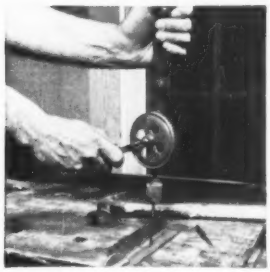
Hanging cabinet doors. Doors on home-built cabinets often bind. To avoid, cut plywood full size of both doors. Saw on line down center, making bottom cut higher than lowest shelf and within 3 inches of top cut. Center plywood on cabinet and attach with brads. Attach hinges. Saw away remaining 3 inches of wood, remove brads, and the doors will fit



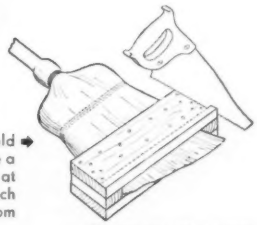
Keying a mitered joint. A good way to get a tight, permanent joint with a mitered corner, as on a picture frame, is pictured at left. After the pieces of the frame are clamped together as shown, make a saw cut in the edge of the corner. Then cut a wooden key to fit, smear it with glue, and tap it into place. Leave the clamp on the corner until glue has hardened completely



Squaring with a rule. You can square the end of a narrow board with a folding rule. Fold the rule as sketched, lay it on the board, and bring top corner of first section even with 20 5/8-inch mark. Mark as shown



Drilling metal. Making a hole in metal is a wearisome job—unless you use a sharp carbon-twist drill. Then it's easy. Clamp metal to workbench. Mark spot for hole, and dent surface with a steel punch. Set point of drill in the indentation and start cranking. When hole is through, file the edges



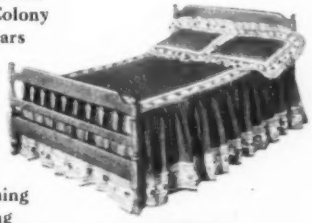
New life for old brooms. To renew an old broom, make a frame of wood scraps. Use a spacer block the thickness of the broom at each end. Drive extra nails. Saw off 1/2 inch of the frame, cutting square end on broom

More on next page

Old Colony furniture

"Home-Planned" with a view to your future

YOU'LL like the friendly, traditional air of hospitality which Old Colony brings to your home. As the years go by, you'll appreciate more and more its lasting comfort, fine woods, and honest craftsmanship. Best of all, is the way Heywood-Wakefield's "Home-Planned" designs look ahead—to make sure of continuing harmony as you add to the living room, dining room and bedrooms of your growing home. You'll find real decorator's magic in the way the exclusive "Winthrop Maple" finish goes so well with such a variety of decorative treatments. Do see Heywood-Wakefield Old Colony at your store specializing in fine quality furniture.



HEYWOOD-WAKEFIELD
EST. 1826

Yes, old Colony is designed to bring pleasant harmony, luxurious comfort and distinguished beauty to dining and bedrooms as well as living room!

Make Your Home Express You As You Want to Live

Ready for you now is this helpful new book by Gladys Miller, prominent decorating consultant! 24 colorful pages of practical furnishing and decorating ideas—how to mix-match traditional furniture with modern accessories—how to make the most of the sensible "Home-Planned" Old Colony designs throughout your home. Mail coupon with 25¢ for your copy today.

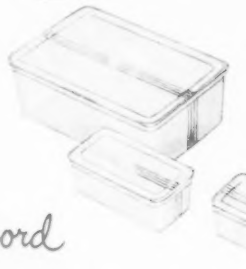
Heywood-Wakefield Company, Dept. BH-2
Gardner, Mass.

I enclose 25¢ for my copy of your new decorating book, "Old Colony Furniture" by Gladys Miller.

Name .....
Address .....
City ..... State .....

"The BUY-WORD for Better Plastics"
in
HOUSEWARES

MADE OF
STYRON



REFRIGERATOR SET—by Chicago Molded Products Corporation and distributed by Hutzler Manufacturing Company. Crisp-Master with 4 x 4 in. and 4 x 8 in. storage dishes. Crystal clear or opaque white with clear cover.

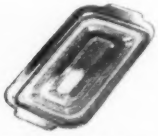
a word
to the wives
is sufficient!

WATER PITCHER—By Amos Molded Plastics—Beautifully designed, easy to handle. Holds 2½ quarts. Complementing colors or red, yellow or ivory.

← BOWL—By Alladin Plastics, Inc. Indispensable to the smart homemaker. Bright in color and excellent in design. Red, blue, green or yellow.

CREAM AND SUGAR SET—By Plas-Tex Corporation. Adds a festive note to any table for all meals. Smooth design, gay colors of blue, red or green.

SERVING TRAY—By Columbus Plastics Product, Inc. In transparent crystal, rose, blue or green. Heavy wall sections assure rigidity. Serves many needs.



The wise homemaker looks for the Styron label on all plastic items because she knows it stands for dependability and that every product bearing the STYRON label has met the standards of Dow's Consumer Product Evaluation Committee. ⇒ You, too, will prefer STYRON (*Dow Polystyrene*) housewares because they're smooth, pleasant to handle, lightweight and amazingly durable, and so low in cost. When you shop for housewares, *specify* STYRON, *and be sure!* Above items sold at leading department stores, chain stores and variety stores everywhere.

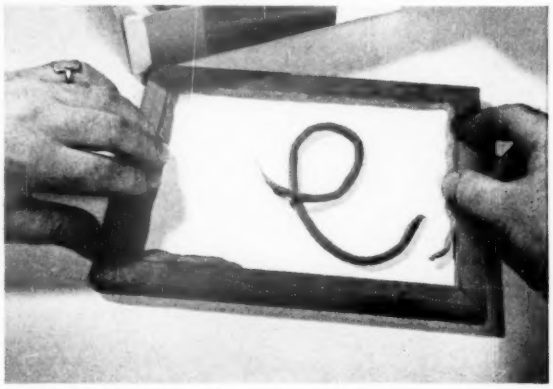
DOW
plastics

PLASTICS DIVISION HP-4 • THE DOW CHEMICAL COMPANY • MIDLAND, MICHIGAN

How-to for the handy man

Begins on preceding page

Weighted window shade. If the wind is blowing, you usually must close a window before you pull the window shade. Otherwise the shade will be battered and torn by the breeze. To control shade without sacrificing ventilation, substitute a length of narrow strap iron for the wood slat



Dustproofing a picture frame. The next time you fit a picture into a small frame, you can easily do a dustproof job. In addition to the glazier's points or brads, hold the picture or mat in place with rope-type weatherstripping compound, made for sealing openings around windows

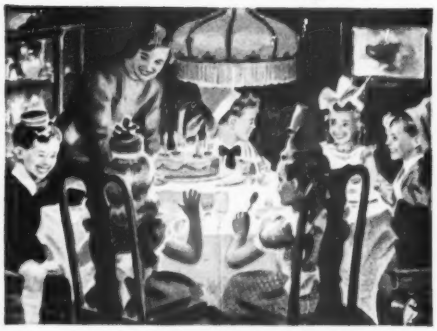
Giving wood a metal surface. Aluminum foil, available in rolls for wrapping food, can be used to give wood a metal finish. Coat the wood (such as the picture frame) with shellac, then apply the foil while the shellac is still tacky. Rub down the surface with a dry cloth to get a burnished finish. Should you prefer a satin finish, finish by rubbing over the foil lightly with fine steel wool

More on page 133

ONLY SERVEL

Stays Silent—Lasts Longer

(no moving parts in the freezing system)



At my sixth birthday party, in 1930, Mother made ice cream in our new Servel. "*Can't* ever get noisy," she told my Dad proudly. "Servel is the one *different* refrigerator."

Eighteen years later, Bob and I got engaged. Mother made ice cream in the same Servel! "And it's still silent—like my solitaire," I said to Bob. "It'll be Servel for us, too."

Yes—it was a beautiful new Servel for our kitchen when we fixed up the old house we bought after our wedding. For only Servel stays silent, lasts longer. The secret? Only Servel has no moving parts in its freezing system. No motor or machinery. Just a tiny gas flame does the work.

I love Servel's *new* conveniences, too. For fresh and frozen foods, it has every feature I want.

This story is typical. Writes Mrs. Floyd Buck of Middlebourne, W. Va., "Our son was a baby when we got our Servel. Now he's 20 and we've never had a thing wrong with our Servel."

BEFORE YOU CHOOSE ANY REFRIGERATOR...

Get this FREE book

says Mary Margaret McBride
Famous Radio Reporter

Every new refrigerator *looks* beautiful. But how long will it last? Will it grow noisy and run up repair bills? In her delightfully entertaining new book, radio's famous Mary Margaret McBride tells what makes the real difference in refrigerators.

Get your free copy of "Inside Story" at your Gas Company or neighborhood Servel dealer. Don't put it off. Stop in today. There's no cost, no obligation. You'll enjoy it.

Mary Margaret McBride broadcasts Monday to Friday over WNBC, New York, 1:00 PM, EST.

STAYS SILENT . . . LASTS LONGER

Servel

The GAS Refrigerator

Every new convenience!... See the new Servels at your Gas Company or your neighborhood dealer. (For farm and country homes, Servel runs on Bottled Gas—Tank Gas—Kerosene.) Servel is also maker of the Servel *Ball-Type* Water Heater and the Servel *All-Year* Air Conditioner. Servel, Inc., Evansville 20, Indiana. In Canada, Servel (Canada) Ltd., 548 King Street West, Toronto, Ontario.

Never Before a Floor Like This!

It's new! It's plastic! It's made of "Vinylite"!

More beauty for your floors . . . more leisure for you with FLOR-EVER! This new, miracle floor covering practically eliminates upkeep—retains its original good looks—takes top honors for long wear! Made of especially formulated Vinylite Brand Plastics, it's stain-, spot- and skid-resistant, immune to alkalis, quiet and resilient to the step. You will want FLOR-EVER for its floor-flattering appearance, its practical price and its many time-saving, work-saving features. If your favorite store does not yet stock new FLOR-EVER, write us and we will send you the name of your nearest dealer.

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Also manufacturers of "Wall-Ever" Plastic Wall Covering and "Duralin" Enamel Floor Covering

Know your evergreens

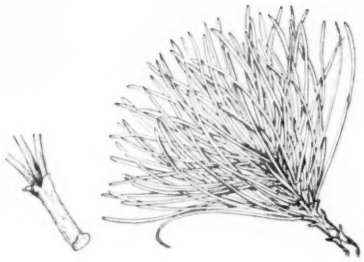
By Ralph K. Andrist

IF YOU can identify more than one or two of the cone-bearing evergreens without the help of a nurseryman's tag, you're an exceptional person. Most of us never get beyond the stage of referring to them all indiscriminately as Christmas trees.

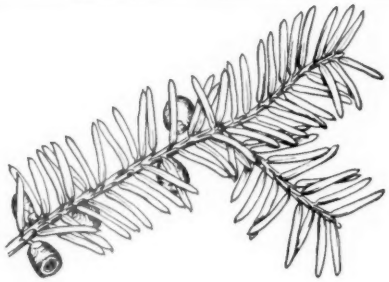
It's easy enough to get discouraged when one tries to learn about evergreens. Right at the beginning we are confused to discover that the common redcedar isn't a cedar at all but a juniper. And we give up the fight when we discover that some evergreens like the larches aren't evergreen at all, but lose their needles in the autumn.

Even the species within the same genus are often bewildering—pines, for instance, range all the way from the majestic white pine to the squatty Mugho.

But if you go about it right, you'll find it easy to know your evergreens, and you can make a good start by learning to identify these seven most common genera.



PINE (*Pinus*) trees make a good starting point because they're hard to confuse with any other evergreen. The long needles arranged in clusters make the twigs look like bushy brushes and are unmistakable. For a foolproof indentification, you'll find that the needles are bound together in bundles of two to five (one single species has only one needle to a bundle) and the bundles are fastened to the twig in a sheath.



YEW (*Taxus*) is probably our most valuable ornamental evergreen with its good looks, hardiness, and large variety of handsome forms. You can identify a yew by its blackish-green leaves with their shining, leathery appearance and pale-green undersides; they are usually arranged in two flat rows, one on each side of the stem. Unlike pines, firs, spruce, and hemlock, yew trees are either male or female, and a sure sign of identification is the soft, scarlet cup-shaped berries on the female tree.

More on page 130

Can wives work money-miracles today?

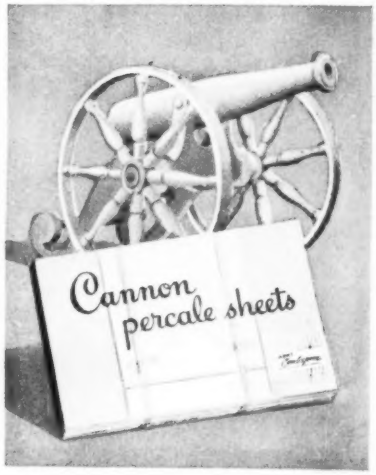
"Miracles can happen!" says your CANNON GIRL. Yes, now you get an even better sheet for not a penny price rise!

Your favorite Cannon Percale Sheets are now COMBSPUN... combed till only the long, smooth fibers remain!

So dream-soft! You'll sleep like a FAIRY TALE QUEEN. So fine woven... with over 25% more threads than best-grade muslins!

So STRONG too (for longer wear). Wonderfully LIGHT WEIGHT (for easier bedmaking and laundering).

Yet Cannon Percale Sheets... with new Combspun luxury... still cost just SMALL-CHANGE more than heavy-duty muslins.



Here are the magic words to say at your sheet counter: "New COMBSPUN CANNON PERCALES, please!"

Cannon Percale Sheets—Now They're Combspun

TRADE MARK CANNON

CANNON TOWELS . . . STOCKINGS . . . BLANKETS ★ CANNON MILLS, INC., NEW YORK 13, N. Y.

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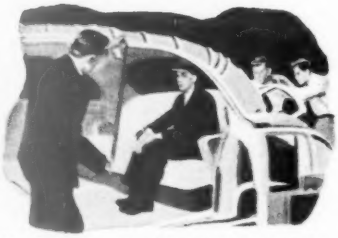
Many are called but few are chosen. *In developing new models, GM stylists consider hundreds of sketches — also make and study miniature clay sculptures.*

Proof that you can see better. *In this test of new designs, bulbs — placed where driver's eyes would be — cast light patterns which show your "seeing area." Results? Better visibility, safer driving.*

Key to sound styling



Checking for comfort *— models of the finished interior are "tried on for size" by representative riders of all builds. Engineers carefully check head-room, leg-room, seat angles, instrument vision, with actual people serving as "human yardsticks."*

All the new GM cars for 1949 are on display this month.
And one good look tells you how *sound* their styling is—as well as how smart.
You enter easily into spacious interiors, with high visibility and deep-seated comfort. You enjoy superb trim and fittings, find evidence of thorough planning on every hand.
For your 1949 GM car is not merely a work of the stylist's art. Into each has gone months of work in research, engineering and production that combine to give it comfort, convenience, performance and durability along with surpassing beauty.
That's why so many people already are saying that GM sets the pace in the 1949 automotive parade.

THE KEY TO A GENERAL MOTORS CAR

Your key to Greater Value

"More and better things for more people"

GENERAL MOTORS

CHEVROLET • PONTIAC • OLDSMOBILE • BUICK • CADILLAC • BODY BY FISHER • GMC TRUCK & COACH

NOW! HENRY J. TAYLOR on the air every Monday evening over the ABC Network, coast to coast.

Suit your kitchen to YOU

When you make changes in your kitchen or plan a new one, keep your needs and those of your family foremost in mind

By Ellen Day

SURE, you'll want to check the latest stepsaving kitchen ideas. But don't be afraid to toss in a few ideas of your own. Arch Robison of Middletown, Ohio, has twin daughters so he planned a kitchen to suit them. You'll notice, in the picture below, both girls can work without jostling each other. Mrs. Bregman of Glencoe, Illinois, had a bright idea for the windows in her kitchen. See page 32.

A kitchen built for two

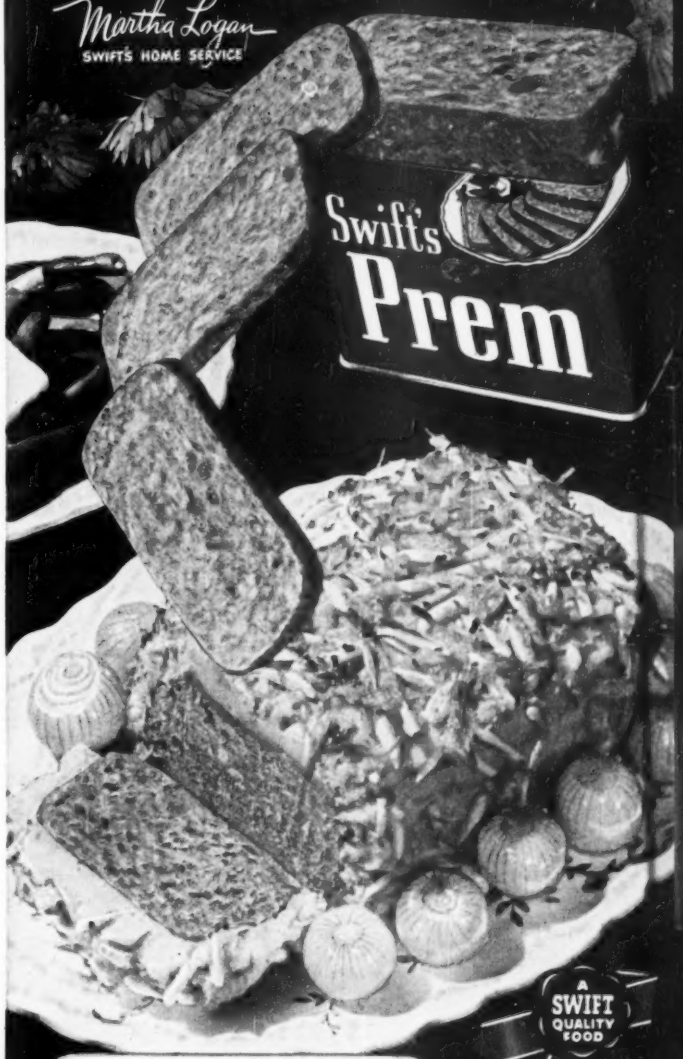
Photographs: Hedrich-Blessing

Kitchen has two preparation centers, so it can accommodate a twosome cooking team. Arch Robison of Middletown, Ohio, designed it for his twin daughters. Working area is U-shaped, with sink and dishwasher at center, preparation counter and range at right, a second preparation counter and the refrigerator at left. Large windows give maximum light

More on next page

"Company dinner for 8 at less than 25¢ a serving"

Martha Logan
SWIFT'S HOME SERVICE



Delicious Money Saver!

Glamorous meals with real economy . . . made with Swift's Prem* . . . meat bargain of the year . . . that tempting, *different, two-meat* combination . . . *tender beef added* to fine pork shoulder. Try this favorite recipe:

*Serve 8 at less than 25c** per guest . . .*

Martha Logan's Sweet Potato PREM LOAF

Open 2 cans of *Prem*. Place end-to-end on cookie sheet or baking platter. Mix together 3 cups mashed *sweet potatoes*, 3 tablespoons *butter*, 1 tablespoon grated *orange rind*, ½ teaspoon each *salt* and *nutmeg*, ¼ teaspoon each ground *cloves* and *mace*. Spread over top and sides of Prem. Sprinkle with sliced blanched *almonds* and coarsely grated orange rind rolled in sugar. Bake in moderate oven (350°) 30 minutes. Serve with string beans and buttered onions.

Balance your meat budget with today's meat-value bargain . . . **THAT DELICIOUS ALL-MEAT COMBINATION OF PORK AND TENDER BEEF . . .**

Swift's Double Flavor Prem

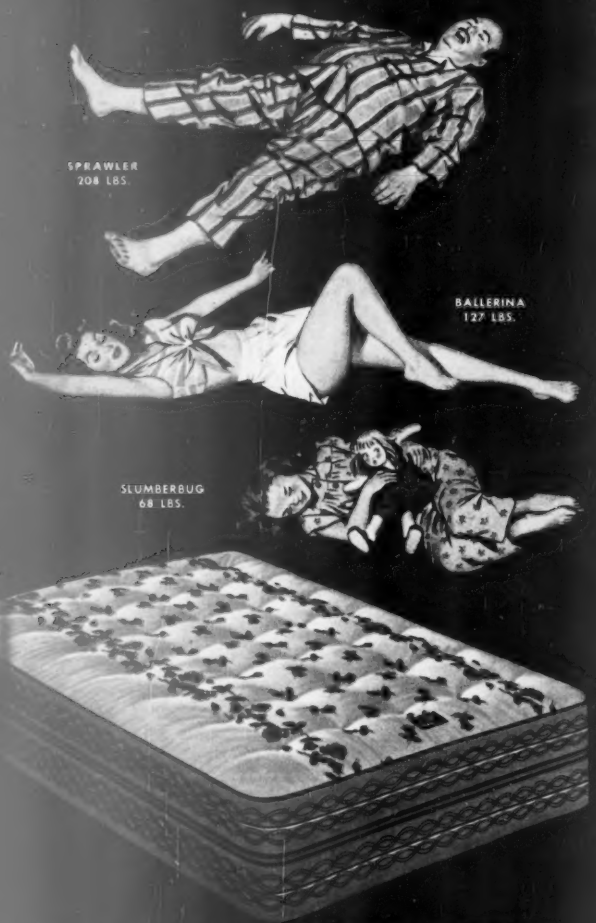
**Swift & Company's trademark for pork and beef blended.*

***Typical retail prices at time of going to press.*

Englander

AMERICA'S MOST LUXURIOUS mattress

No matter how you sleep or what you weigh, you sleep better on an Englander



Englander Red Line brings you the first really new mattress idea in 50 years

FOR YEARS THIS... FOR YEARS THIS... NOW! INDIVIDUAL SPRING ACTION

Coils tied together at top and bottom by cotton sacks. This method prevents individual spring action.

Coils tied together at top and bottom by wire. This method prevents individual spring action.

Completely individual spring action exclusive with Englander because coils are locked *only at the center* by flexible ribbons of steel.

Upper half gives you cushioning comfort. Every movement and contour of your body is gently cradled. "Roll-to-the-middle," when sleeping double, eliminated. Lower half supports your weight in the firm, healthful manner doctors recommend.

© 1949, The Englander Company, Inc., Chicago, Illinois

The new Super Bodyguard—$49.75. Other Englander Red Line mattresses (twin or full size) or matching box springs to $79.75.

Suit your kitchen to YOU

Begins on page 31

Pull-out maple board makes excellent cutting surface for meat and vegetables, as well as a pastry board. Shallow cabinet above counter holds spices and seasonings. Bin-type door on this cabinet closes to give a rounded finish to wall cabinet. Glass blocks over counter make splash-back an extra source of light and an attractive modern trim. Below counter is cabinet with slotted storage for trays, pans, and cooky sheets

Kitchen with ideas all its own

Breakfast bar and a latticed partition divide the dinette from the business end of this kitchen which belongs to Mrs. Walter Bregman of Glencoe, Illinois. Paper on the end wall offers contrast with its floral pattern. Bench tops in dinette are black leather, floor and counter tops are black linoleum. Cabinets and drawers you see in picture store dishes, glasses, silverware, and linens within handy reach of the table. Outlining the window over counter are ivy plants in white pots; no curtains are needed

MAKE A *Graceful Entrance* INTO DREAMLAND

***The scene above** is taken from the new color movie, "The Story of a House," soon to be shown in leading department stores throughout the country.*

PHOTOGRAPH BY GASKA

"Good night, Sonny. You're off to see the Sandman . . . in a real dream room."

One feature that makes his room so nice, Mother, is the 7-ply Mengel Flush Door. Notice how exactly it matches your Weldwood-paneled walls. And isn't the crisp, clean beauty of birch just right for a young fellow's room?

Of course, these attractive doors are also made in other fine woods such as mahogany, walnut and rift oak.

And, if you want to match painted walls, there's the Mengel Flush Door faced with gum wood. This moderately-priced southern hardwood gives you a satin-smooth surface for paint.

So you see, 7-ply Mengel Flush Doors can fit your decorative scheme perfectly . . . all through the house.

You and Dad will be interested in the construction, too. Mengel's patented Insulok core holds warping, shrinking and swelling to an absolute minimum. It gives you a door that's finger-tip light and unbelievably easy to handle.

And when it comes to housekeeping, you're going to like your Mengel Doors more every day. The smooth, unbroken surface offers no place for dust and dirt to cling. A quick whisk with a damp cloth, and they're clean.

Whether you're building or remodeling, plan to have these beautiful doors in your home. For help in planning, send the coupon for our free booklet, "The Door to Charm." Learn how easy it is to make a graceful entrance for every room in your house.

* * *

Mengel Flush Doors and Weldwood Plywood are sold by lumber dealers who will be glad to show you samples. Or call at one of our showrooms.

Atlanta, 954 Ashby St., N. W.
Baltimore, 2020 Mosher St.
Boston, 57 Mystic Ave., Somerville 43 (Boston), Mass.
Brooklyn, 187 Gardner Ave.
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Cincinnati, 1187 Gilbert Ave.
Cleveland, 3131 St. Clair Ave.
Dallas, 2825 Manor Way
Denver, Frank Paxton Lumber Co., 3340 Brighton Blvd.
Detroit, 6845 Dix Ave.
Fresno, 221 Divisadero St.
High Point, Mallory St. at Railroad
Houston, 330 South 66th St.
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Louisville, 1943 South 16th St.
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Milwaukee, 3354 North 35th St.
Newark, 540 Ferry St.
New Orleans, 887 Race St.
New York, East 144th St. & Southern Blvd.
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Philadelphia, 1717 N. Delaware Ave.
Pittsburgh, 941 Behan St. North Side
Portland, Ore., 3333 N.W. Front Ave.
Rochester, 1965 East Ave.
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Weldwood

MENGEL *Flush* DOORS

Mengel Flush Doors and Weldwood Plywood are products of THE MENGEL COMPANY, *Louisville 1, Ky., and* UNITED STATES PLYWOOD CORPORATION, *New York 18, N. Y.*

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Please send me a free, full-color booklet, "The Door to Charm," giving detailed information regarding Mengel Flush Doors made of Weldwood Plywood.

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NOW!
the radio-phonograph you want
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FOUR HOURS continuous recorded music . . . automatic playing of LP (long playing) and conventional records with single tone arm . . . wide-range AM-FM radio . . . cabinetry of heirloom quality . . . PLUS space for installation of Magnascope Television at any time.

American Traditional Radio-Phonograph **Only $298.50**

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. . . becomes your television combination
TOMORROW
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Write for booklet. The Magnavox Company, Ft. Wayne 4, Indiana.

MAGNASCOPE TELEVISION can be installed now or later. Finest picture quality in television . . . sharper contrast for better visibility . . . complete freedom from eye-fatigue . . . world-famous Magnavox tone quality.

Complete Television-Radio-Phonograph Combination **Only $595.00**

Prices subject to change without notice

Put empty corner space to work

By Pauline Graves

CORNER arrangement of chests, bookcases, or storage units may make the best use of your floor space. But to use the chests or shelves freely, you sometimes must leave the corner space between them empty. The result is a hole in the corner and wasted space. This shelf filler is one of the best and easiest ways to fill the space and put that corner to work.

Problem

Twin chests or bookcases often have to be placed in a corner spot to make the most of all the wall space in a room. But you'll find that when your chests are arranged this way there's a gaping corner hole

Solution

Build a filler (like the one on top of the chest at right) to fit the corner, finish it to match the chests. Then drill screw holes in the side of one chest and in the brace of the filler

Photographs: Maynard Parker

With the filler in place between the chests, you'll have a handsome, spacesaving corner counter for toiletries, flower arrangements, or books

* Today millions are enjoying *Yellow Durkee's* in quarter-pound prints!

In 30 states and the District of Columbia, Durkee's Margarine *looks* as good as it *tastes*. In these states, millions of lucky people are buying Durkee's all colored a luscious, table-ready yellow.

Mild and sweet and always country-fresh—it's the finest of spreads and the best for all your cooking and baking. Every pound contains 15,000 units of Vitamin A. Now on sale *yellow* in Alabama • Arizona • Arkansas • Colorado • Florida • Georgia • Idaho • Indiana • Kansas • Kentucky • Louisiana • Maine • Maryland • Massachusetts • Missouri • Mississippi • Nebraska • N. Jersey • N. Mexico • Nevada • No. Carolina • No. Dakota • Oklahoma • Rhode Island • So. Carolina • Tennessee • Texas • Utah • Virginia • W. Virginia • Dist. of Columbia.

1.

If YOUR State Laws Prohibit Yellow Margarine . . .

. . . you can get Durkee's fine Margarine—without the 10¢ Federal Tax—in either of these two ways:

1. In the easy-coloring package with the color capsule in the bag.
2. Uncolored, in the money-saving package so familiar to you.

DURKEE FAMOUS FOODS

Glidden

Elmhurst, L. I., N. Y.; Chicago, Ill.; Norwalk, Ohio; Berkeley, Cal.

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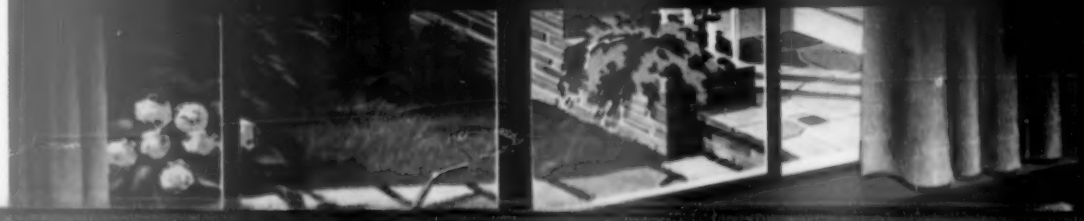
AMERICAN-Standard

First in heating...first in plumbing



AMERICAN-Standard

First in heating...first in plumbing

Better Homes & Gardens Five Star Home No. 1982 has simple beauty, can be air-conditioned efficiently

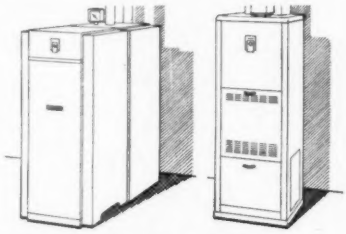
AMERICAN-Standard

First in heating . . . first in plumbing

The Royal Hostess Sink—one of many beautiful sinks by American-Standard.

Kitchen beauty begins here

WHEN you buy a kitchen sink, choose American-Standard and you get the finest, both in looks and convenience. These sinks are made in one piece for cleanliness, of rigid cast iron for sturdiness, with a heavy coat of acid-resisting enamel for long life. Yet they cost no more. Many models to choose from, in a variety of colors and sizes. Time payments for remodeling. Sold through selected Wholesale Distributors to your Heating and Plumbing Contractor. Send for FREE HOME BOOK, your guide to heating equipment and plumbing fixtures for the whole house. **American Radiator & Standard Sanitary Corp.**, Dept. B92, Pittsburgh 30, Pa.



American-Standard Heating Equipment covers any type of heating for any type of fuel. Shown are the oil-fired Arcoliner Wet Base Boiler and the gas-fired Chippewa Winter Air Conditioner.

Look for this AMERICAN-Standard HEATING · PLUMBING *Mark of Merit*

Serving home and industry: **AMERICAN-STANDARD • AMERICAN BLOWER • CHURCH SEATS • DETROIT LUBRICATOR • KEWANEE BOILER • ROSS HEATER • TONAWANDA IRON**

Better Homes & Gardens Five Star Home No. 1902 has simple beauty, can be air-conditioned efficiently

Your new home can be

Designed for air conditioning

By Frank Lopez

HOME air conditioning is here. It's no longer a dream, but something you should consider when remodeling or building, just as you do indoor plumbing and central heating.

Complete air conditioning should control temperature, humidity, air cleanliness, and air movement all 12 months of the year. But to provide that type of control, the system must be an integral part of house construction; space for it must be planned when your house is remodeled or built, even though you don't install the equipment immediately.

Air conditioning has gone a long way since its first introduction years ago. Now there are nearly as many types of air conditioners as there are heating devices, from portables for a single room to units built into homes to provide, automatically, coolness in summer, warmth in winter.

Present-day conditioners offer you not only cleaned air—but cleaned air sent at different temperatures to various parts of the house. With zoning controls, you can maintain one temperature in one part of the house, another elsewhere.

The conditioners clean the air by washing it in a water spray, by filtering it mechanically, or by precipitating the dirt electrically.

Some air conditioners fit in closets, others in kitchens; some rest on the attic floor; some hang from joists in the basement or rest on the basement floor. Portable air conditioners—used in summer only—fit single windows or can be connected to ducts to serve several rooms. Cabinet models can be fitted into a game room or laundry.

Air conditioners are run by gas, oil, coal, or electricity; gas-fired types especially come in several types.

If you're remodeling your house fairly extensively, air conditioning with a central system can be installed with reasonable economy. If you don't plan a major remodeling, it may be impossible to install an efficient system. Portable or room air conditioners may then be the answer.

IF YOU'RE building a new house, make sure the system is laid out by a heating man thoroughly familiar with air conditioning. Preliminary calculations and proper duct design are at least as important as the air conditioner's heating unit.

With some types, you get all the advantages of complete air conditioning only in the winter, when the heating plant is operating. However, you can use the blower, intended to circulate warm air in winter, to provide air circulation in summer also. If you use with that blower a fan to discharge warm air through the attic louvers, you can do much to cool your house in summer, as well.

THOUGH year-around air conditioning may cost more than a system that provides only heat, planning your house for air conditioning will make up much of the difference. And against that cost, measure the benefits derived. If yours is a hot and humid climate, you may want it for coolness alone. There's little doubt that properly designed air conditioning reduces the number and severity of colds. And with effective air cleaning, air conditioning is a boon to hay fever sufferers.

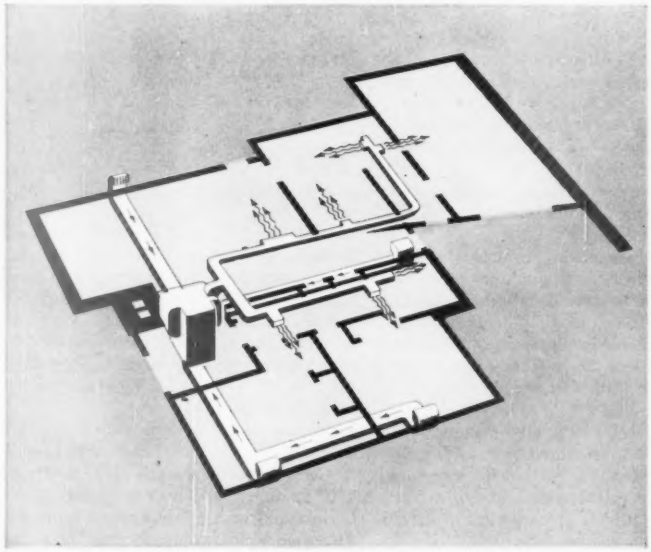
Because of the interest homeowners are expressing in air conditioning, *Better Homes & Gardens* has chosen as its Five Star Home 1902 a house in which air conditioning can be installed with efficiency and economy. Street side appears above; floor plan and more pictures are on the following pages.

Better Homes & Gardens Five Star Home No. 1902 is

Planned around an entrance hall

The living-dining room presents this dramatic view just before draperies are pulled for the evening. Deep overhang keeps the summer sun and rain off windows. On both sides of fixed windows are floor-to-ceiling casement windows. Door at left opens onto the terrace

Here's the way the heating and cooling system works



Red lines indicate flow of warm air in winter and cool air in summer through ducts above closets. Blue lines indicate return air ducts under floor. In houses planned for air conditioning, you can omit basement, screens, and movable sash to offset extra cost of equipment

Hedrich-Blessing

End wall of living room, windows, and chimney form an eye-catching vertical composition at the side of house. Top-hinged windows project out when open to keep rain out. Double doors open from equipment room

Concealed from passers-by, rear of house contains big glass areas, presents a pleasing combination of long lines and broad planes. Fine texture of the brick contrasts with horizontal lines of redwood siding. Dark window trim doesn't detract from view

By John Normile, A. I. A.

ALL too often these days, cost becomes a more important factor in building a house than does comfort. In looking for a place to cut costs, one of the best seems to be a hallway. Halls take up costly space that could be put to better use in other rooms.

Do they?

As proof that a properly placed hall can be one of the most important features of a house, *Better Homes & Gardens* presents Five Star Home No. 1902. Designed by David S. Barrow for Servel, Inc., the house as shown on these pages is furnished by Gimbel Brothers of Philadelphia and *Better Homes & Gardens*.

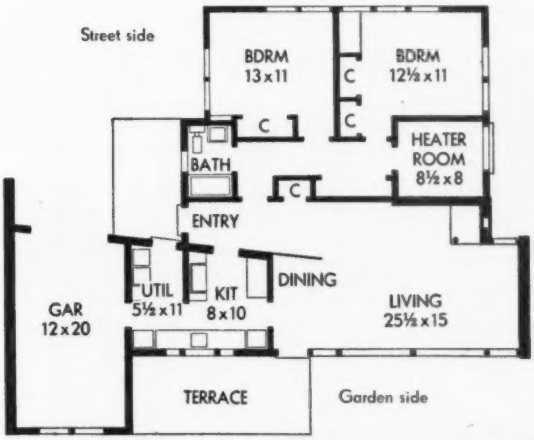
In this house, the entire room arrangement is centered on the entrance hall, which carries all traffic from room to room. And in many homes, especially those with children, traffic control is important.

Here's what the hall does:

▶ It carries you from the front door to any room in the house without going through any other room.

▶ It sets the living room off by itself, and makes it a room of quiet uninterrupted by members of the family passing through to other rooms.

▶ It lets you go quickly and directly [*Turn to next page*



Over-all dimensions: 54 by 36 feet. Architect: David S. Barrow, Wilmette

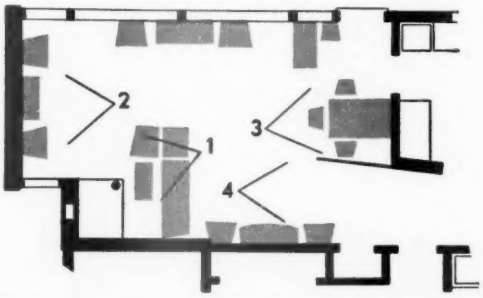
You can buy plans for any Better Homes & Gardens 5 STAR home ***See page 135***

Living area is designed for quiet

Continued from preceding page

View 1. Raised fireplace is natural focal point for conversational grouping of furniture. Sectional sofa in yellow contrasts with wall of gray brick

View 2. Fireside furniture can be used as seating for television entertainment. Armchairs are upholstered in brown, nubby material woven with golden metallic thread



Numbers on plan correspond with views across the top of these pages

from the kitchen to the bathroom, and from the living room to the bedrooms.

Sound is controlled just as well as traffic. The two bedrooms are on the street side of the house, where they shield the living area and the terrace from street noises. Since noise from most streets is lightest at night, bedrooms, too, are quiet when you want to sleep. Two rows of closets and a hallway separate bedrooms from living-room noise, and closets help soundproof one bedroom from the other.

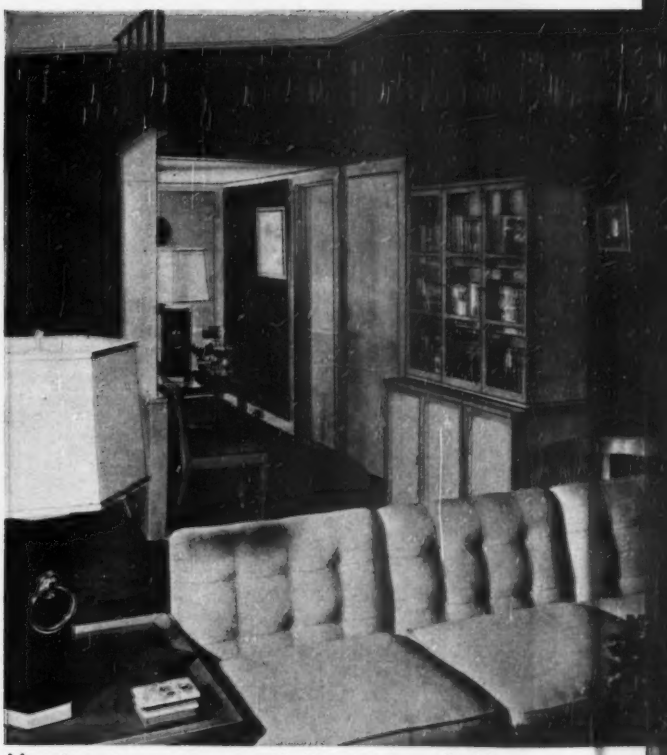
Arrangement of the rooms allows use of a minimum length of ducts in supplying air to rooms, and returning it to the heating plant. Warm air in winter (cool air in summer, too, if you install an air-conditioning unit) goes to rooms through a simple system of overhead ducts, is returned by passages under the floor.

The centrally placed kitchen-utility room is a U-shaped area, with a partition that divides one work space from the other. On one side you have your range and work counter, with your refrigerator across the aisle. On the back side you have solid cabinet space. The sink is under the windows where it is convenient to both the kitchen and utility areas.

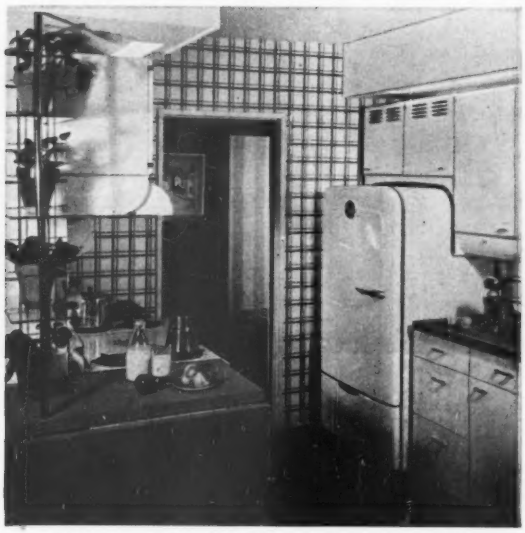
The living-dining area is unusual. A translucent glass partition comes into it as a continuation of the entrance hall, to shield the dining area. The corner fireplace has a raised hearth, and is opposite the glass wall overlooking the garden. The fireplace catches your eye as soon as you enter the front door. The only windows in the room are on the rear, except for a bank of them that stretches toward the ceiling next the fireplace. The ceiling, incidentally, follows the slope of the roof above it to add visually to the size of the room.

Like many other good homes being built today, the house has long, low lines. The exterior, however, is unusual in many ways. The front door and utility-room door are side by side; by painting the front door an eye-catching yellow and giving it a distinctive design, as in the photograph above, you can make it clear which door is which. The utility door is a [*Turn to page 134*

View 3. Window wall is draped in deep brown printed material that is matched by cocoa-colored wall of dining area. Cabinet with glass each side serves as partition



View 4. A glass partition separates hall from dining area. Breakfront is used for linens and silver in lower part; for books or china in the upper part



Central working area makes this U-shaped kitchen practical to the last detail. Walls are covered with plaid washable fabric, the strongest color of which is used as an accent for the working counters and plant containers

Wm. F. Howland

Owners' bedroom uses simple two-color scheme to give feeling of space to small room. Generous tops of bedside tables permit large lamps for bedtime reading. Pull-out shelves of tables provide easy access to contents

Photograph: Suter, Hedrich-Blessing

Red or yellow apples? Or both? You can grow several dwarf trees in small space

You don't need an acre to grow your own apples. Dwarf trees can be had which at bearing age require no more space than lilacs, altheas, or snowball bushes do. They can be planted as foundation shrubs wherever there's sun. Pansies and tulips are at their prettiest below apple blossoms, and marigolds are gay by the time the apples are ripe. This dwarf Starking tree was photographed at the home of Dr. Robert L. Andrae of Louisiana, Missouri

You can grow fruit on a 50-foot lot

By Fleeta Brownell Woodroffe

WHAT could be more fun than picking fruit from your own trees? Flavor-filled fruit that's not been picked while still hard so it will ship well, but perfect fruit that's ripened on your trees getting sweeter and sweeter.

What could be more satisfactory than growing summer, fall, and winter apples this way? And your choice of pears?

Plant dwarf trees, and you can have all this fun. Big juicy apples and pears on little trees you can fit into half a dozen spots without trouble. Plant several varieties of dwarf apples instead of one standard-size tree, and you get—not every second year more apples than you can use, but each year family-size crops and a variety ripening over several months.

It's amazing, but the apples and pears grown on these modern dwarf trees are just as large and fine in every way as the same varieties produced on standard orchard trees.

The size of the dwarf trees now offered commercially is controlled in two ways. The wanted variety of apple or pear is grafted on a root which limits the size of the top. For pears, this is usually quince roots. Or, for all areas with wind and rigorous winters, there's a new race of dwarf apple trees grown with strong roots and a potent section of the hardy Clark dwarfing understock set into the trunk.

Both methods produce early-bearing trees—a few varieties will give you some fruit their second year.

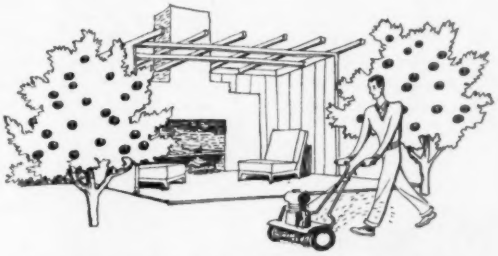
Another plus—you pick your fruit without a ladder!

No perfect fruit is grown today without the trees being sprayed or dusted to control pests and diseases. But with these dwarf trees you can take all these necessary precautions using the same sprayer or duster you use for your roses or vegetables. All-purpose combinations containing both insecticides and fungicides are being developed to make this protective program still easier.

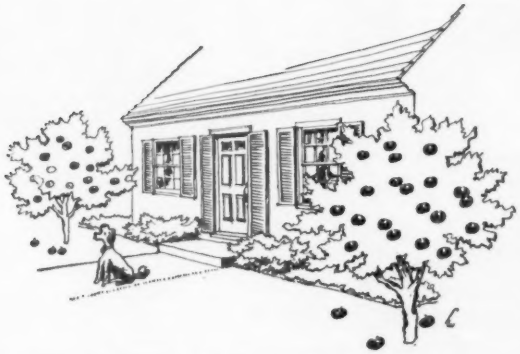
Care needed for dwarf apple trees. Trees not on an understock with strong brace roots, such as the Virginia Crab has, will have to be firmly staked to avoid upset by wind when loaded with fruit.

All dwarfs need an annual pruning and feeding to keep them at peak performance. This pruning is nothing that cannot be done with a pair of good hand pruners. It consists of removing the brushy center growth and heading back all branches a fourth to a third. This is best done in late winter. Nipping back extra-long shoots twice during the summer is also beneficial. [*Turn to page 219*

Three good places to plant dwarf trees



As partial screen for barbecue. A pair of dwarf trees—apples or pears—gives balance without the danger of crowding later. Set outside the line of daily traffic and lay mulch over root areas



As frame for doorway. Well-shaped dwarf apple trees can successfully rival the finest flowering shrubs. To keep them balanced and symmetrical, and to increase the crop, cut back long shoots

Combined with a flower border. Dwarf trees set across the end and the sides dress up an open lawn. Leave space about each tree for foot room while you spray the trees and pick the fruit

More on page 219

We thought we were going to build it for $8,500!

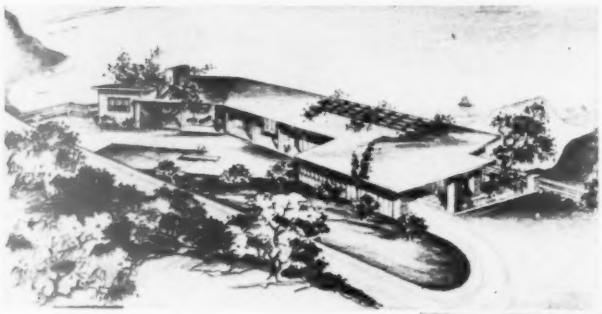
We enclose space

By Louise Randall Pierson

BEST-SELLER author Louise Randall Pierson ("Roughly Speaking") here tells how she and her husband, Harold C. Pierson, planned their home with a ball of string—then built it. You already know ("Pay Yourself Those High Wages," December, and "You Can Nail Down Building Costs With Your Own Hammer," January) that thousands of us are saving money by building or remodeling our own homes. You may not realize that families working on their own homes are getting a lot of laughs, as well as calluses. Mrs. Pierson fills you in on that department.

WHEN my husband and I decided to build a house with our own, then uncallused hands, people said we couldn't do it.

They were wrong, because here it is, only about a year later, and we expect to get the last of the windows in any day now. Then, as soon as we finish slamming the wallboard up, we can get the stove and refrigerator out of storage. And I won't have to cook on the impromptu brick barbecue I tossed so lightly together on what is going to be the patio when and if we get to it.



To get this . . .

The architect said our house would look like this on its perch in the hills of Big Rock Mesas, beside the Pacific

We used these . . .

These are all you need to build a house; if you can't get power, these are all you will have to build a house

We undoubtedly would have made even greater speed if we had settled for a little prefab, bandbox deal instead of going all out on a 113-foot-long Modern. For, though a Modern looks as simple to throw together as a chicken roost, the trouble is that it *looks* like a chicken roost unless you dress it up with a lot of booby traps like furred down ceilings, soffits, offsets, and angles that would set Frank Lloyd Wright back on his heels.

We chose Modern for two reasons.

Our site in Big Rock Mesas, Malibu, California, is a small, flat plateau which hangs precariously 400 feet above, out, and over the blue Pacific. It fairly cried out for plate-glass walls through which you could see the surf and the circling gulls and the broad silver rippling beam the moon makes on the water at night.

Then for a long time I have had a sneaking desire to prove to my children that I am not as they regard me, an old party left over mysteriously from the Civil War. You are not really old, I had read somewhere, if you are still able to grasp something new. If I could pry myself loose from Colonial to which I had clung like a limpet for the last 58 years, I would be proving something. It was now or never unless I wanted to be buried with my feet on the cobbler's bench, wrapped securely in the old Paisley shawl.

Our first step was to get books on Modern and study them carefully.

I could see at once the Big Step was going to be harder than I thought.

It was some time before I could control my resentment at the authors' sneering tone toward the sacred [*Turn to page 152*

Our project in its early stages: after the bulldozers and cement men had done their work, but before much had been done with saws, hammers, planes, and chisels

Photographs: Harry H. Baskerville, Jr.; Jack Woods, Warner Brothers, Victor Barnaba, Hughey Young

"This is where we want to sleep," we said as we trailed our ball of string behind us in laying out our home. And this is where we will sleep when we get some doors on and a bed in. The way the house is designed, every room has a view of the ocean. Of course, people who live in glass houses have to undress in the dark

In a moment of enthusiasm I personally poured the cement for the utility-room floor to surprise my husband. According to the plan, the plumbing cleanout from the bathroom next door I inadvertently buried is about there: The cement should give with a hollow sound over it. Just a few hours with a hammer and a star drill

REMODELING: The best way to get a home?

Here are the stories of two couples who are sure it is

THERE is no sign that building costs are going to drop much in the near future. But that needn't stop you from having a home of your own.

One good way is to buy an old building and remodel it. Not any old building, though—it must be structurally sound and capable of being renovated. Chances are that you will end up with as good a home at less cost than if you bought a house or built a new one. When you want to sell, you will probably be as well off financially, too.

It takes a lot of nerve and hard work, though, to start with a structural shell and create a home. Yet it's being done all the time, and done well. On this and the next three pages are the stories of two couples who got their homes that way—the hard way. Their stories may give you that last ounce of courage needed to make you take the final step toward obtaining your own home.

We chose a farmhouse

By Eunice C. Brandt

This is the farm we bought in '41

We intended to tear this building down

BEFORE Philip left for the army, we bought a small farm outside Salem, Oregon—a beautiful wooded tract with a house and barn we considered liabilities, to be torn down when we built our permanent home.

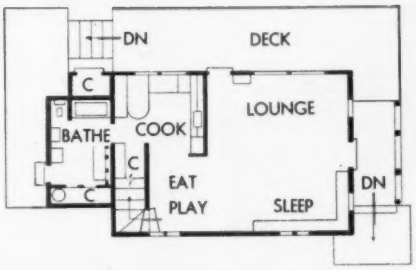
Our dream of a permanent home went up in smoke with building costs. So we took a second look at the sturdy logs and beams of the farmhouse, and planned to spend $1,000 on remodeling it into a temporary home. That dream was also shattered when we spent that much alone for a well and pump (the springs we had counted on vanished to a summer trickle). Our bathroom and kitchen spent the $1,000 all over again. But though our hopes and finances changed, our aims in remodeling did not.

Two ideas predominated: first, to have a feeling of spaciousness in our 20x30-foot home, and to have an interlocking of indoors with outdoors.

To give us the feeling of space, we removed all inside partitions downstairs. To bring the country landscape in, we cut 12 large windows and two doors in walls of the 20x30 room that [*Turn to page 194*

This is our house—almost all of it. Here are our living area (left), sleeping area (right), and dining space. Kitchen is off to left. Floors are vertical-grained fir covered with gymnasium floor varnish to resist marking and wear. Walls are hemlock finished with rose-gray filler and clear lacquer

Dining area is link between kitchen and living area, doubles as a play area. Since unity of plan demands unity of color, we used three colors throughout as a foil for hemlock: copper, (light fixture), yellow (draperies), and aqua (table base). Puerto Rican matting absorbs sound, shows little wear



Now that same building is our home. Unexpected costs and resulting changes in plans account for some of the paradoxes you see: roll roofing and log construction along with native hemlock and insulation in walls and roof. Wood is stained forest brown, crisply trimmed in white. Porch floor is red

Photographs: Leonard Delano

We chose a barn

This is the way the barn looked when we bought it

We turned it 90° and dropped it on a new foundation

By Jean Day Bousquet

OUR housing problem was the same as that of many other people—dreams well beyond our pocketbook.

We wanted a place of our own to hang our hats, but we also wanted the hatrack to be original, and with character. Our job was to do all that on an average budget.

After John was discharged from the army, we secured plans for the dream home we had in mind, but found it way out of our reach because of the building situation.

We had a piece of land 100 by 228 feet in Amityville, New York, and on it was a 40-year-old barn. The more we learned about conditions, the closer we studied the barn. We found it sound—and that decided us.

The first step was to have the barn moved forward on the lot and turned halfway around. Then we pitched hay out of the loft and rummaged through old-fashioned tools and antiques we later used for furnishings.

Studying the floor plan, we found that only one partition was needed downstairs to make a hall and large living room out of the main carriage room. The tool room now is our dining room, and the two stalls our kitchen. Three partitions were put in the loft to form two bedrooms and a bath.

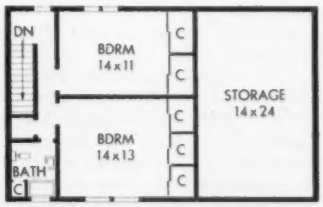
Our contractors, Kennedy and Becht, found that the original roof, siding and floors were in good condition and could be re-used to keep the total cost down. We made no additions, and [*Turn to page 196*

Two horse stalls came out to make room for this modern kitchen. Here we covered original floor with linoleum. Large windows make a cheery work space; cornice board joins cupboards, frames windows

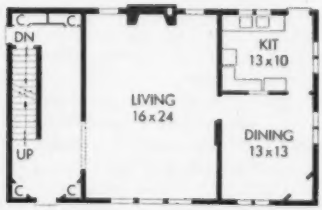
This serving bar once was a panel through which feed was passed to the horse stalls from the loft. Lowered, it lets more light into the kitchen, serves as a display shelf for house plants and glassware

Lines of the barn were not changed; we even used a barn-red exterior paint. With white trim and dark green shutters, the house contrasts sharply with its wooded background. The original roof and siding were good. We left them. Picket fence encloses play yard for 3-year-old John III, directs attention to Dutch front door

Photographs: Richard Averill Smith



Second floor



First floor

Where carriages once stood, we have a 24x 16-foot living room. Interest centers around the massive fieldstone fireplace. The mantel once was one of the barn's cypress beams

High blood pressure—

You don't have to let it kill you

By Don Cooley

THEY took Henry to the hospital last week. Henry was always the first man off the 5:25 from Grand Central. By the time the rest of us commuters had trudged up on the station steps to the suburban bus, there was Henry triumphantly occupying his favorite corner seat. One evening Henry wasn't there. His next-door neighbor told us why.

"Doctor wants to run some tests on him. His wife says they're considering some new kind of surgery. High blood pressure."

That led to some pretty sobering conversation. We were a reasonably well-informed, middle-class group with mortgages, taxes, and kids in school. We knew that the No. 1 killer of men like us is cardio-vascular disease, which we thought of, correctly, as heart failure, stroke, and failing kidneys with which high blood pressure so often goes hand in glove. Most of the information that stuck in our minds was the kind that feeds the jitters.

Just what were we afraid of?

I know the case I was thinking of. You can probably match it among your own acquaintances. Call him Bob. He knew he had high blood pressure, all right. But for two years he ducked his doctor's orders. He kept up his 36 holes of weekend golf, his double-thick steaks, his all-night poker sessions.

Then he went hunting near the Canadian border. A blood vessel ruptured, and he had a nosebleed that didn't want to stop. Worse, something strange in his chest kept him from getting a satisfying breath. When Bob got home, his own doctor read him the riot act:

"No trips to the office. Stay close to home where you can lie down when you feel peculiar. Daytime naps and early to bed. A thousand-calorie salt-free diet, and no fooling. Your heart shows damage but has a good chance to repair itself if you follow orders."

That, I think, was high blood pressure as most of us viewed it on that glum bus ride.

At the time it simply never occurred to me that I was seeing the other side of the picture every morning when I walked past Daddy Traynor's little acreage. You'd see him swinging a scythe—not furiously, but effectively—or digging a leisurely posthole or trimming his grapevines. Yes, Daddy has a blood pressure reading higher than normal. But I am sure he has never gone into a tailspin of worry that it will shorten his life. Daddy was 86 last December.

Which of these cases is "true high blood pressure"? Both of them. High blood pressure can mean many different things as far as life expectancy or way of living is concerned. Let's clear up these meanings and take some of the scariness out of them. Rare cases of high blood pressure can be caused by tumors and other unusual conditions, but in 9 out of 10 cases no specific cause can be determined. In medical language, the nine have "essential hypertension," and since hypertension means the same as high blood pressure, let's use the more familiar term.

How common is high blood pressure?

Everybody has blood pressure. If yours is *consistently* higher than normal, you have high blood pressure. However, even if your blood pressure is generally normal, it shoots up when you get excited or angry. Your blood pressure varies from day to day, and even during the day.

It's generally agreed that anywhere from 25 to 40 percent of people past 40 have high blood pressure. Chances are a little less than even that you will have it by the time you reach the age when life begins. But raw statistics do not distinguish between kinds of high blood pressure. The so-called malignant variety advances swiftly, is associated with grave damage to vital organs, and is thoroughly vicious. *But less than 5 percent of persons who have high blood pressure have the malignant type.* The chances are 20 to 1 that if you do develop high blood pressure it will be the common kind which allows you to live an essentially normal life to practically your full life expectancy, or even beyond.

What causes high blood pressure?

The basic cause or causes are completely unknown, but the mechanism is better understood. Your arteries with their elastic walls divide into smaller and smaller branches as they get farther away from the heart. The tiniest branches of all are the arterioles, barely visible to the naked eye. When for unknown reasons these tiny pipes get into a chronic state of constriction, your heart has to pump harder and increase its pressure to push blood through.

Hardening of the arteries is *not* the same thing as high blood pressure. Hardening and thickening of a few large arteries, especially the aorta leading from the heart, can cause the heart to pump harder and yet rest at normal pressure during the time between beats. Many persons with hardening of the arteries have normal blood pressures.

Who gets high blood pressure?

Doctors generally agree that more than half their hypertensive patients have blood relatives with similar histories. Perhaps what is inherited is an over-responsive circulatory system and its sensitive nerve-control mechanism.

More women than men have high blood pressure, but it doesn't seem to bother them as much. Perhaps they aren't so battered by the job of making a living. Fear, anger, worry, and ambition are often linked with high blood pressure—emotions that may give a man drive, make him accept heavy responsibilities, lead him to burn his candle at both ends so he doesn't know the meaning of taking it easy. [*Turn to page 214*

Maynard Parker

A man's rose has to have vigor. Typical of what men look for when they select roses is Charlotte Armstrong (above), a very popular hybrid-tea variety. The recent Better Homes & Gardens poll brought out that men insist on plants that look well all summer long, and bear big crops of roses

Voted the dozen favorite roses

of American men

IF YOU want to plant a dozen roses this spring, you can't do better than consider this list of hybrid teas. Here are the top 12, the favorites named by members of the Men's Garden Clubs of America, Inc., in a recent *Better Homes & Gardens* poll.

The men voting also told what they look for, the qualities they've found most important in garden roses. They stress disease resistance, vigor, fragrance, freedom of bloom, shape and quality of buds and open flowers, color, and strong stems.

The 12 roses selected:

Peace. This great rose has everything. On stout stems clothed with glossy, leathery foliage, the buds swell into 5- and 6-inch flowers. The colors of Peace are pale gold to a full yellow delicately washed with rose-pink. Though unfailingly beautiful, no two Peace blooms are alike.

Crimson Glory. The rich, fruity perfume and the velvety petals of this deep and glowing crimson rose [*Turn to page 212*

Climbing roses with evergreens in foundation plantings

Stiff-caned climbers may be easily grown as shrubs if you stake them upright when young. Prune overlong shoots to control shape. Set plants 30 to 36 inches from house wall. This type is especially good with yews

To get the biggest show, plant: Blaze—a twice-blooming Paul's Scarlet, Buff King, pink Dr. J. H. Nicolas, and ruby Doctor Huey. Pictured is a portion of original Blaze bush at Ralph Perkins home, Newark, New York

Grow roses where you want them

By Leslie MacRae

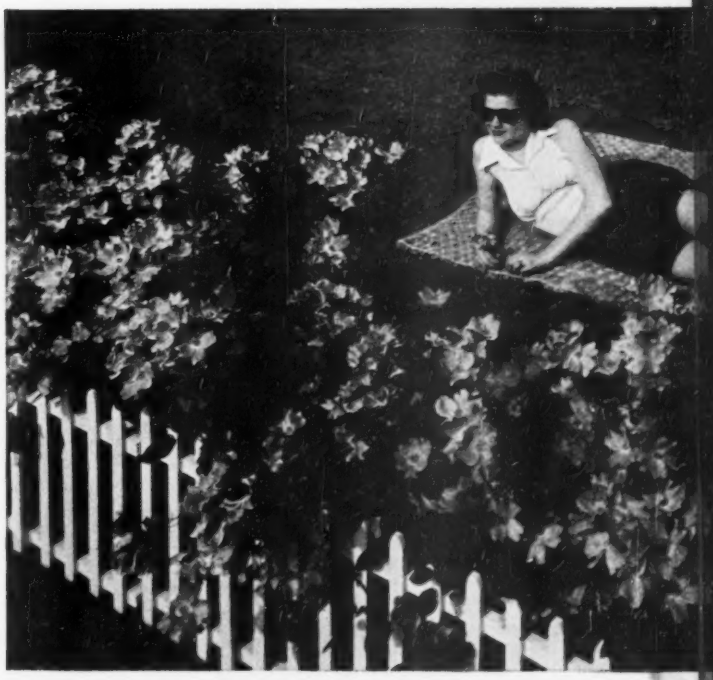
JUST name the spot where you want to grow it, and there's a rose for the place. Unless the spot is shaded. Roses need sun for at least four hours a day. More is better.

But for lamppost, garage wall, fence, or a bank too steep to mow, and to loop over a wall that's bare and unneighborly, there's a wide choice in climbing roses. Some are stiff enough to stand by themselves, some limber and pliable. And what a lift we get from their reds, and pinks, and yellows!

Want a gay spot in a green border of shrubs, a hedge for your terrace, and eye-filling bed of color from early June till frost? For these you choose varieties from the shrubby, hardy polyantha and floribunda classes.

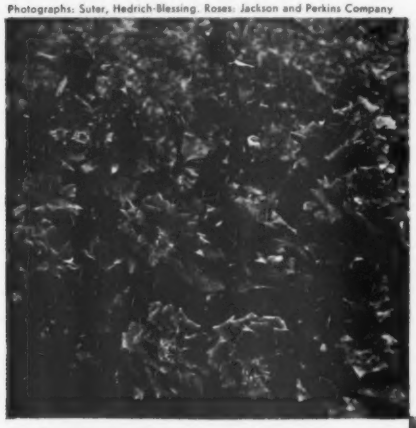
Plant the aristocratic hybrid teas where you can enjoy every change from sleek buds to perfect half-open blooms. Plant miniatures in pots, or in a rock wall. And early-blooming shrubby types to back up your irises.

Photographs: Suter, Hedrich-Blessing. Roses: Jackson and Perkins Company



Floribunda types for an everblooming hedge

You'll get the most color to the square foot and over the longest time if you plant the vigorous floribundas and polyanthas. Individual flowers cannot equal the hybrid teas, but massive bloom heads are striking. Shown is the popular variety Betty Prior



Hybrid teas in special beds

The beautifully formed blooms of the hybrid teas, most popular of all roses, show off best when you set the plants in beds next a fine lawn. All colors but blue can be had in this class. That shown is the new variety Valiant

Roses in groups for mass color

More dwarf and with more double flowers are the hybrid floribundas: Rochester—peaches and cream; Pinocchio—apricot; World's Fair—crimson; Improved Lafayette—glowing pink; and the sunny Goldilocks

For an expert's tips on rose care, turn to page 210

They got drama from

Dining-room wall was broken by two pint-size windows. They gave little air, less light, plenty of trouble

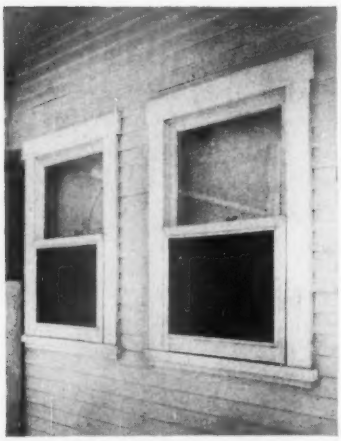
Here you see the two small windows from the inside. Window at right was larger, but still a problem to solve

The Killingsworths concealed their small dining-room windows with a solid wall of draperies. Window at right—one of a pair in dining room—was made to appear larger by hanging thin glass curtains inside it

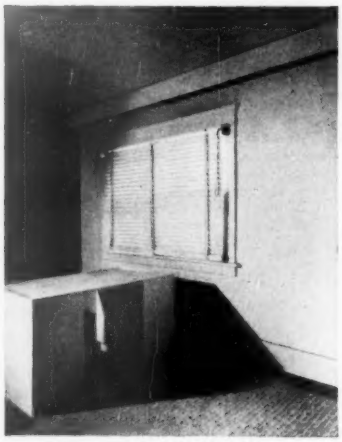
From the street it's still bungalow style 1920, but here's the inside story

IF YOU think with Ed and Laura Killingsworth, of Long Beach, California, you're willing to make an old house do until the day when you can build the home you really want. You'd like to remodel your windows, but you don't want to get in too deep with your present setup.

If you're like the Killingsworths, you want your home to be comfortable; you like to entertain in pleasant surroundings. You can do one of two things: You can call a carpenter to relocate your windows. Or you can dodge all that and stay within the budget. Here you see how the Killingsworths solved their window problems without knocking out a piece of plaster or relocating a single window. The Killingsworths are living comfortably within their budget, but meanwhile their home is as attractive as the pictures shown here.



On the outside, small living-room windows look like this. They are a problem in many older homes, interfere with furniture arrangement



Inside, living-room windows looked like this. Windows would have been expensive to relocate; opposite page shows the problem solved

problem windows

Here's proof that you don't have to rebuild to remodel **By Dorothy Killam**

Photographs: George de Gennaro

Killingsworths got the effect of a large picture window by hanging entire living-room wall with off-white, washable draperies. They subdued two pairs of windows with glass curtains that conceal old woodwork but admit light. Draperies and curtains are hung from ceiling height on a pole hidden by wooden valance

Thompsons

East . . . Tranquillity at your doorstep. On Mt. Le Conte in the Great Smoky Mountains National Park you are literally on top of the eastern United States

How to beat the high cost of

McLaughlin & Co.

Wildlife . . . You'll meet it unmolested: bears and buffalo in Yellowstone, deer in nearly every park—like these at Grand Canyon

By Hal Burton

HOW would you like to own an 11-million-acre estate, practically tax-free?

Well, you do. And your property includes the finest scenery in the world. It's all yours in 28 national parks—a precious heritage of towering trees, massive mountains, roaring waterfalls, and placid lakes. Because you own these national parks, you can drive to them or travel by train, bus, or plane to their gates this summer with the assurance that your vacation will be unequaled as a bargain in travel.

Let's say that you'd like to visit Yellowstone Park. Most Americans do. Nearly a million of them made the grand tour of the geysers last summer.

In your family, there are four persons—a husband, a wife, and two children under 8. You have 10 days to spend in the park, excluding travel time. What will it cost you?

If you don't mind living simply, it can cost you $108.50. For that sum, you'll stay in a canvas and frame cabin, eat three

Fred Bond

West . . . Lord of all you survey. Massive, spectacular, Zion is only one of a dozen western parks that leave you breathless with the majesty of the out-of-doors

family vacations

meals a day in a nearby coffee shop, and depart for home having spent $27.13 apiece—$2.71 a day. At how many summer hotels outside of a national park can you vacation as reasonably?

Perhaps you're an Easterner, and something closer at hand appeals to you. In that case, you may choose to motor down into the Great Smoky Mountains National Park, which includes the highest peaks east of the Mississippi. A family of four—if the children are under 8—can sleep in a government-supervised hotel during the summer for 10 days and eat three meals a day for $105. If the youngsters are over 8, then 10 days will cost $140. Year-round accommodations just outside the park are somewhat higher, but still popularly priced.

Wherever you live, you can't be far from a national park. At most, it is a 600- to 800-mile trip, possible in two days no matter how you travel. If you're lucky—a resident of the Mountain states, the Pacific Coast, Maine, or the southern Appalachian states—there's a national park within a day of you.

The 10 million Americans who visited the parks last summer went there first of all for scenery. To wake in the morning to the rumble of Old Faithful, to look out the window at snow-clad Mt. Rainier, to stroll before breakfast on the rim of the Grand Canyon—those are experiences most families cherish.

But with the scenery comes something you may not have anticipated. There's a ranger to take you on free hikes to the most dramatic points of interest. There's a trained naturalist to tell you, without charge, about the plants and animals. At night, there are campfire lectures under the trees. And, if you travel guideless, there are always well-marked paths (some 15,000 miles of them) and complete facilities for your comfort.

Everything you buy is regulated in price. There is no profiteering. Uncle Sam sets the prices for such dissimilar services as changing a tire, developing a roll of film, serving a meal, or taking a mineral bath. Package tours by motorbus are controlled so that you can figure in advance what this easy way to see the parks will cost you. Pack trips into the back [*Turn to page 126*

Note: *All price and cost estimates in this article and in the detailed tables on pages 120-125 are based on 1948 rates. Those for accommodations and meals within a national park are based on rates fixed and published for 1948 by the National Park Service, United States Department of the Interior. Rates for 1949 are expected to be about the same. Prices for meals and accommodations outside park areas are estimates based on research. All prices must be taken as minimums to go by, not necessarily what you will encounter in every instance.*

Your garage

A place for a terrace

A workroom

It's a car shelter. Plan it also to be:

A hobby shop

A teen-age activity room

A space for storage

By Herbert Yahraes

A RECENT cartoon showed a man putting his car away. He had no trouble. He simply folded back the sides of his garage.

To people who must cram a 1948 car into a garage that gagged on even a 1938, this is no joke. But if you are a prospective builder, you have more important problems that you can't size up with a measuring tape. One good way to learn what these problems are would be to ask 20 families what they like and what they don't like about their present garages.

I did.

Nineteen of the families had at least one major complaint.

Their various troubles arose from one simple fact: Most of us still don't think of a garage as a basic part of a comfortable home. Sure, we've moved our cars in out of the stable, which odors and flies made us place as far away from the house as possible. We've even succeeded in making the garage architecturally a part of the house. But after we've spent long evenings planning our new heating system or our kitchen, we're likely to toss off the equally important garage with the remark, "Let's try to have a two-car garage." Not until we've moved in do we realize how much annoyance a little more forethought would have saved.

I can't tell you how to plan *your* garage. The most satisfactory car shelter for you, like the most satisfactory house, is designed to fit your needs. You have to figure out for yourself what you want. I can give you some suggestions, though, that can keep you from ending up like my 19 unhappy friends. Start off by asking yourself and your family some questions.

1. Do we really want a garage?

Maybe *you* don't, particularly if you live in a warm climate. Today's cars don't really need shelter except in very severe weather. So how about a carport?

A carport is essentially a garage without walls. It affords protection from rain but not from cold. One of the newest examples —in New England, incidentally—is merely a sheet of corrugated cement asbestos, supported by a wood frame and stretching out from the main doorway like an old-fashioned carriage porch. I've seen one carport that was even simpler—a strip of canvas on four poles.

Most new carports, though, are built as part of the house. They either extend out from it like a covered porch, or they are niched into it, like a [*Turn to page 160*

"21 KINDS TO CHOOSE FROM"

CAMPBELL'S SOUPS—One of the most nourishing, delicious, economical foods at your grocer's

LOOK FOR THE RED-AND-WHITE LABEL

FINE BEEF STOCK IN THESE

BEEF: Hearty beef stock, pieces of beef, fine vegetables and barley.

BEEF NOODLE: Deep-flavored beef stock, pieces of beef, hearty egg noodles.

BOUILLON: (Beef Broth) A clear beef broth delightfully flavored with vegetables.

CONSOMMÉ: Clear amber beef broth, pointed up with tomato, herbs, celery, carrots.

OX TAIL: Good beef stock, meaty ox tail joints, barley and vegetables.

VEGETABLE: Fifteen different garden vegetables in a full-bodied beef stock.

VEGETABLE-BEEF: Vegetables, barley, tender pieces of beef, in a rich beef stock.

OTHER THICK AND HEARTY SOUPS

CLAM CHOWDER: Chopped clams, potatoes, tomatoes, savory herbs in a deep-flavored tangy clam broth.

PEPPER POT: Pieces of meat, macaroni, vegetables, and substantial meat stock make this Early American-type soup.

SCOTCH BROTH: Thick meat-stock *soup*, vegetables, barley, pieces of mutton.

MADE WITH RICH CHICKEN STOCK

CHICKEN with Rice: Chicken-rich broth, fluffy rice, tender pieces of chicken.

New! **CREAM of CHICKEN:** Chicken stock, heavy cream, and pieces of chicken.

CHICKEN GUMBO: Rich chicken stock, vegetables, pieces of chicken, savory seasoning.

CHICKEN NOODLE: Hearty chicken broth, golden egg noodles, pieces of chicken.

MADE FROM CHOICE VEGETABLES

ASPARAGUS: Smooth purée of fresh asparagus, creamery butter, asparagus cuts.

BEAN WITH BACON: Old-fashioned thick bean soup, plump beans, bacon flavored.

BLACK BEAN: Delicious purée of fine black beans, expertly seasoned.

CREAM of MUSHROOM: Cultivated mushrooms blended with whipping cream. Mushroom pieces.

GREEN PEA: Nourishing purée of young green peas, creamery butter, seasoning.

TOMATO: America's favorite soup. Luscious tomatoes, butter, gentle seasoning.

VEGETARIAN VEGETABLE: Another fine vegetable soup, luscious vegetables, without beef stock.

Campbell's SOUPS

So good meat pies

By Myrna Johnston

SAVORY meat pie, an old-fashioned dish that satisfies even the biggest appetites, is a perfect supper on a blustery day.

You add a tender crust or topping to the juicy meat and vegetables in the baking dish. And while the top of the pie is browning to a turn in the oven, you're free to put the finishing touches on the meal. Make a crisp salad or plate of cold, crunchy relishes. Then call the folks to supper.

The pie at the upper left of the photograph is a Tuna Pie—in it are meaty pieces of tuna, chopped onion and celery, and green peas. Its top is pin-wheel cheese biscuits. The baker at lower left holds Shepherd's Pie. The meat is veal; the vegetables are onions, carrots, and green beans. The frame for the bubbly meat mixture is fluffy mashed potatoes, oven-browned.

Roast Beef Pies, center, in the bakers with the handles, are seasoned to suit a chef. To make the trim you simply cut an X in the center and fold back the corners made by the cut. (An X of pimiento marks the spot.)

The meat pie, upper right, that got the bird is Chicken Pie with a rich pastry top. The pastry cutouts were baked separately, then put on the baked pie. The stripes on the Hot Tamale Pie, lower right, are crusty corn bread. You can make your own or stir it up from a mix.

Meat Pies—all plain, good eating. Steaming hot, crusty-topped. Each a delicious supper, easy to make and bake and serve. Let's have meat pie.

Recipes on page 150

Photograph: Charles Kuoni

Hawaiian sunshine for winter meals

By Trader Vic

YOU'VE had the idea that food from the Islands is much too exotic for your own table? We'll agree that it's out of this world in *flavor* but *not* out of this world when it comes to your being able to cook it.

Look at the page opposite—all familiar foods—spareribs, green beans, rice, pineapple. It's the *flavor tricks* in the Hawaiian recipes that make the difference.

Here's February—the most difficult month of the year to plan meals. Spruce up your family's appetites and your own interest in the fun of cooking by trying a brand-new recipe from Hawaii.

At the top right of the page, in the big clamshell, are French-fried shrimp. The small shells hold a choice of sauces. Three-compartment wooden leaf, center, serves Chicken Almond, green beans with soya sauce, and Fried Rice. Pineapple Spareribs are served on a wooden pineapple platter, lower left. And to the right, you can help yourself to cubes of golden pineapple from a bowl of crushed ice.

Below are the photographs and directions for making Banana Fritters and Meat on a Stick. The recipes for all the foods shown in color and other Hawaiian recipes are on page 94.

Meat on a Stick

Cut 1½ pounds beef, veal, or lamb in 1½-inch cubes. Combine 1 teaspoon dry mustard, 1 teaspoon chili powder, ½ teaspoon ground ginger, ½ cup finely chopped onion, ¼ teaspoon finely chopped garlic, 1 teaspoon turmeric, 1½ teaspoons salt, ½ teaspoon coriander, 3 to 4 tablespoons lemon juice and 1 teaspoon honey. Mix thoroughly. Pour over meat. Let stand 10 minutes. Thread meat on metal skewers or split bamboo sticks. Broil till browned, or roast over open fire or charcoal.

Photographs: L. C. Beringer

Banana Fritters

Select 10 to 12 firm ripe bananas. Cut in 2-inch diagonal pieces. Roll in flour. Then make a batter: Sift together 3 cups enriched flour, 2 tablespoons baking powder, 3½ teaspoons salt, and ¾ cup sugar. Combine 3 well-beaten eggs, 1¼ cups milk, and 2 tablespoons melted shortening. Add to dry ingredients; mix smooth. Dip bananas into batter. Fry in hot fat (400°) until golden brown. Serves 12. Fritters stay crisp 15 to 20 minutes. Serve with tart apricot marmalade and whipped cream. Toasted coconut chips, upper left of picture, are available in cans now.

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It's FUN to cook in these

Convenience is coupled with Early American charm in this kitchen. Details like pull-out chopping and slicing boards are provided. Cabinets line all four walls. Collector's items of copper and brass brighten top shelf. Red and green plaid is used (below) for curtains and seat pad of Windsor rocker. Red tile counter and splash back, pale green wall, cream ceiling and floor complete color scheme. Edward Buzzell kitchen, Los Angeles

Your kitchen makes a big difference in how you feel about three-meals-a-day. Suit your kitchen to *you*. It can be sleek and white (right) or friendly as a rocking chair (left), and still be strictly up to tomorrow

By Ida Ruth Younkin

Photographs: Maynard Parker; Hedrich-Blessing

kitchens

A REALLY modern kitchen recognizes that life, even in the kitchen, isn't necessarily all work and no play.

A kitchen, of course, is first of all a workroom. The two kitchens shown here are just that, workrooms—but they're equipped to lend a hand with every job, arranged to make every step count. Then, having shown respect for the sober side of life, these kitchens tell you to have fun.

Look at the old rocking chair in the kitchen at the left—who's to say *you* can't sit there and peel the apples. Look at the sleek, white kitchen. It has a magic table that drops down from the wall for a lightning lunch. Look again—at the clever shelves, the chintz trim on the furring.

Now look carefully at your own kitchen. Does it need a new shelf, a fresh green plant, a gay-cushioned rocker? What can you add to make your job more fun?

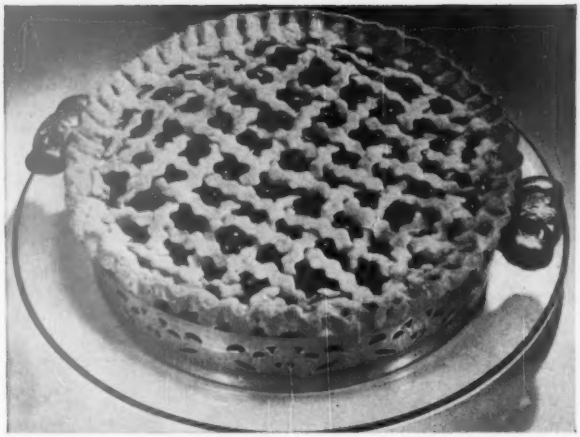
Tip-down kitchen snack table provides open shelves for things you want to show off; closed shelves below. Electric appliance outlet is handy for plugging in toaster, waffle baker, or coffee maker. Table has composition top to resist spills, wipes off easily. Running the full length of cabinet wall, utility shelf holds often-used staples within convenient reach. Fluorescent tubes underneath shelf light the work counter

The best-dressed shelf, these days, frankly admits its purpose. Glamour shelves above the range combine old-fashioned curves with modern plexiglass uprights. When neighbors are too close for comfort, try a central panel of glass blocks for corner windows. This window is curved for a more gentle line. Sink is placed to light your dishwashing scientifically from left. Peoples Gas Light & Coke Company, Chicago

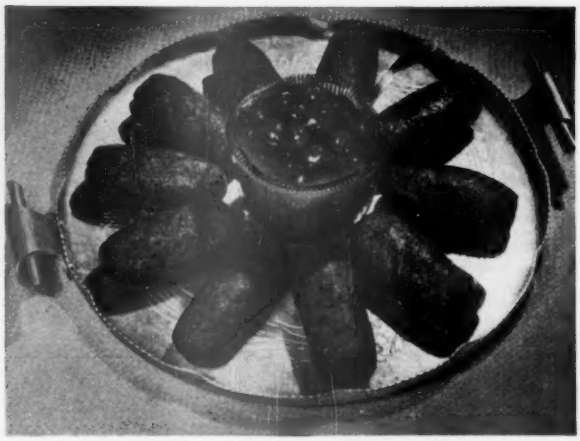
When cabinets don't quite fill the space, consider an open tray file—easy to use and especially convenient if located, as here, next to refrigerator to make serving easy

Cherry desserts and

Whether it's a party dessert, a birthday cake, or just something new for the family, you'll find an idea here



Latticed Cherry Pie Traditional February dessert appears with a crinkly lattice top. The strips are cut with a pastry cutter. For the top crust, weave the lattice on waxed paper on a cooky sheet. Then slide lattice onto top of filling



Ham Logs With Cherry Sauce A mixture of brown sugar and a dash of mustard glazes the ham logs. The sauce is quick and easy to make. You mix cornstarch and sugar; add the whole can of cherries, and cook mixture till thick

Mount Vernon Jelly Roll Spread some of your favorite cherry jelly or cherry preserves on tender sponge cake; roll. For a decorative touch, use maraschino cherries with long stems, tuck in a couple of shiny leaves. Slice at the table

By Tasting-Test Kitchen Staff

GEORGE WASHINGTON started it—this linking of cherries and February—when he cut down his father's cherry tree. And we're for keeping up the custom. Cherries, either canned or frozen, give a meal the lift it needs in February—a lift both in tart, fruity flavor and in cheery color.

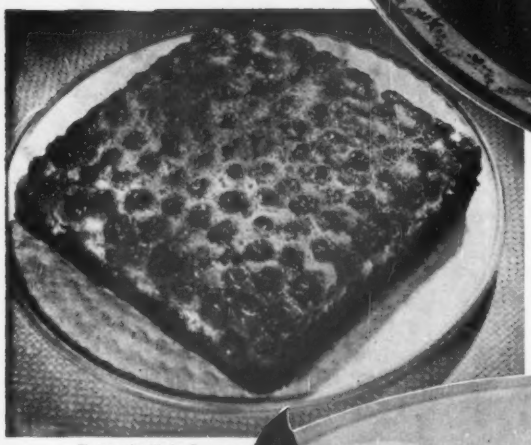
For February, the month of holidays, there are delicate pink-tinted Maraschino Cherry Cake for Valentine's Day and perky Cherry Hats for Washington's Birthday. In fact, choose any of these and your meal will be a festive occasion—whether it's a holiday or one of the days in between.

Recipes on page 90

sauces

Maraschino Cherry Cake

This delicate, pink-tinted cake gets its good flavor from the maraschino cherries and California walnuts. It takes just five minutes of mixing time, uses only one bowl. For tinted frosting, add maraschino cherry juice



Photographs: Wesley Bowman

Cherry-Side-Up Cake

Grated orange peel, bran, and plump red cherries give distinctive flavor to this variation of an old favorite. While cake is still warm, cut it in squares and top each piece with a fluff of whipped cream

Cherry Hats

Mealtime replicas of George Washington's hat, complete with a perky leaf, for dessert on February 22. Dip the cherry filling into the flaky pastry. For how to make hats, see pictures on page 90

KNOW WHAT A Dryer ⇨ CAN DO FOR YOU?

It can save time. Washer to dryer, 20 seconds. No toting, no hanging

Fluff bedspreads ready to place on the bed in 30 minutes

Dry your twist rugs, bath mats so they come out soft and luxurious

Renew quilts and mattress pads as tumbling fluffs padding

By Elaine Knowles Weaver and Jessie Prather

DRYERS are energy- and timesavers. With a dryer there need be no more waiting for a clear day to dry the family wash; no more toting and hanging of heavy wet clothes. You can slip clothes from washer directly into dryer beside. It's so convenient to use a dryer that with one you'll wash oftener, need fewer clothes and linens. Here are questions you'll have about dryers, and the answers to the questions.

How does a dryer work?

Clothes are placed in a perforated drum or basket which revolves to tumble and fluff them. A fan blows hot air at about 200 degrees through perforations in drum; thermostat regulates heat. Moisture evaporates from clothes, and passes as steam through exhaust. You set a timer; a few minutes before the drying period's up, heat shuts off to let most of steam escape before you open door.

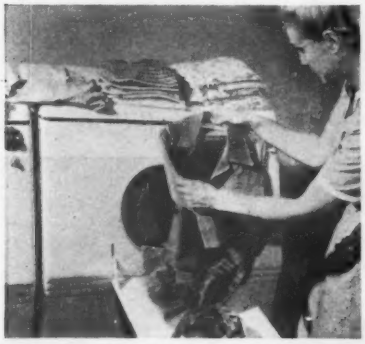
Will it save work?

The biggest jobs on washday are lifting and carrying heavy baskets of wet clothes, hanging and taking down the clothes piece by piece. Instead, you can just bundle clothes from washer into dryer in 20 seconds. Nor do stormy days upset your washday when you have a dryer. No longer do you hang out your clothes, then have to take them down still wet, and rehang them in the basement as a shower blows up. A dryer saves you that trouble. And when a dryer is used, there's no clothesline to become sooty, or to break just as the last garment is hung.

Will it save steps?

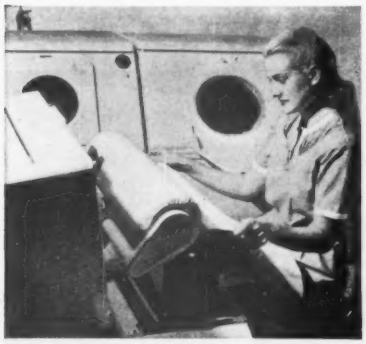
Yes, definitely. Number of steps varies with each person. But according to one survey the average woman walks about *40 miles a year* while carrying and hanging clothes. [*Turn to page 70*

Make slipcovers fit glove-tight if taken from the dryer a bit damp



Eliminate ironing of corduroys, flannels, jerseys, seersuckers

Cut diapers needed to number at right. Reduce linens you need



Let you iron right from dryer. Damp sheets, clothes need no sprinkling

Photographs: Marion Pease

Fluff towels

See the difference between towels wet (above) and the same towels dry (below). The warm air-tumble treatment makes towels billowy, velvet-soft to skin. No soot or dust to mar freshness

Cut Down Food Bills with this Second-Helping Heinz Dish-

Romany Steak Pie—Brown 1 lb. ground round steak in skillet. Add contents of a tin of Heinz Condensed Cream of Tomato Soup, undiluted, and 4 strips bacon, sautéed and broken into pieces. Place in a casserole. Top with biscuits and bake in a very hot oven (450° F.) 15 minutes or until biscuits are a rich golden brown.

Taste the WONDERFUL DIFFERENCE in Heinz Soups

57

You've probably enjoyed Heinz Soups for lunch or supper. But have you tried these old favorites in thrifty casserole dishes? Heinz Soups have flavor to *spare!* Careful cooking brews in the flavors of homemade noodles, fresh vegetables, chicken and other choice things. Ask for Heinz Cream of Tomato, Cream of Mushroom or other favorites. They taste *homemade!*

What a dryer can do for you

Begins on page 68

How long to dry my family wash?

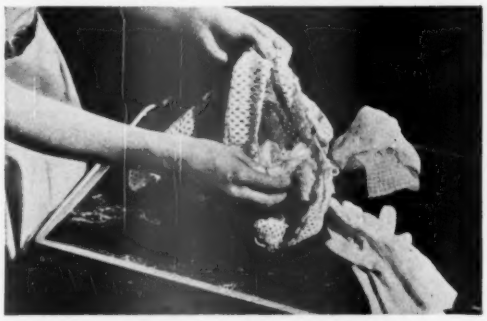
Lightweight cottons and rayons will dry in 5 or 10 minutes, sheets in 25 or 30 minutes, terry towels or bedspreads in 30 to 40; rugs in a somewhat longer time; a mixed load from 30 to 60 minutes.

Can I partly dry items?

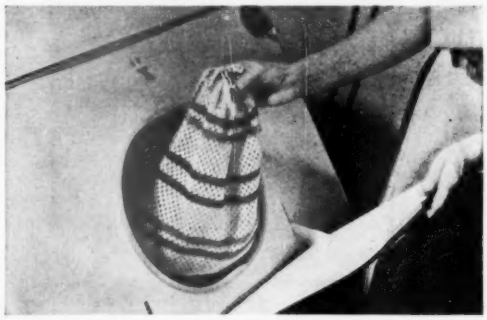
Yes, this is a dryer plus. You won't need to sprinkle clothes if you take them out of dryer when at just-right dampness, and iron them on the spot. You can set timer for any number of minutes to an hour, and you can stop dryer any time to test or take out clothing. One make of dryer has dial that lets you select the exact degree of dryness needed, and automatically stops when garments are at the desired dryness. Take sheets and tablecloths out of dryer slightly damp so tiny wrinkles won't dry in. If you iron them while they're still steamy you'll be amazed how fast they smooth out and dry under your iron.

[*Turn to page 184*

It dries evenly a bag of small items



Put hankies, gloves, or anklets in a mesh bag made of two dishcloths. This way you keep all small items packaged for easy pickup



First the bag goes into the washer, then into dryer. Lift out when dry or semidry. One arm motion picks up many small pieces in bag

Iron semidry items steamy from dryer. Practice tells time to allow in dryer. Here we make quick work of hankies just right for ironing

ANGEL FOOD LIGHT...BUTTER CAKE RICH...EASY TO MAKE

Betty Crocker FRESH ORANGE Chiffon

THE BIGGEST CAKE NEWS IN 100 YEARS!

Betty Crocker Chiffon is unequaled by any other cake . . . for flavor, height and delicacy of texture! Yet this perfect cake is easier, quicker to make than ordinary cakes . . . and stays fresh longer.

Even a beginner can create this alluring Fresh Orange Chiffon . . . developed by the Betty Crocker Staff especially for use with Softasilk Cake Flour. Softasilk—milled for cakes and cakes alone—permits eggs and baking powder to exert full rising action, giving Chiffon the glorious, airy texture that makes it the biggest cake news in 100 years.

General Mills

Famous Betty Crocker "Double-Quick" Recipes in Package

With every package of Softasilk, you not only get Betty Crocker recipes for Chiffon Cakes . . . but for the amazingly easy "Double-Quick" Cakes as well. Now *anyone* can mix up a superb cake in a matter of minutes. Because with Softasilk and the "Double-Quick" Method, you don't cream shortening, you don't beat eggs, you use just one bowl . . . and mix in just four minutes!

"Betty Crocker" and Softasilk are reg. trade-marks of General Mills. Copr. 1949

Betty Crocker Fresh Orange Chiffon

Preheat oven (see pan sizes and temperatures below). SIFT an ample amount of SOFTASILK Cake Flour onto a square of paper. Don't risk disappointment by using any other flour with this recipe!

LARGE CAKE Makes 16 to 20 Servings	SMALL CAKE Makes 8 to 10 Servings

STEP 1 ... MEASURE (level measurements thruout) and SIFT together into mixing bowl:

2¼ cups sifted Softasilk Cake Flour (spoon lightly into cup, don't pack)	**1½ cups (1 cup plus 2 tbsp.) sifted Softasilk Cake Flour (spoon lightly into cup, don't pack)**
1½ cups sugar	**¾ cup sugar**
3 tsp. baking powder	**1½ tsp. baking powder**
1 tsp. salt	**½ tsp. salt**

MAKE a well and add in order:

½ cup cooking (salad) oil such as Wesson or Mazola	**¼ cup cooking (salad) oil such as Wesson or Mazola**
5 unbeaten egg yolks (medium-sized)	**2 unbeaten egg yolks (medium-sized)**
juice of 2 medium-sized Sunkist oranges plus water to make ¾ cup	**juice of 1 medium-sized Sunkist orange plus water to make ⅜ cup (¼ cup plus 2 tbsp.)**
grated rind of 2 oranges (about 2 tbsp.)	**grated rind of 1 orange (about 1 tbsp.)**

BEAT with spoon until *smooth*.

STEP 2 ..... MEASURE into *large* mixing bowl:

1 cup egg whites (7 or 8)	**½ cup egg whites (4 whites)**
½ tsp. cream of tartar	**¼ tsp. cream of tartar**

WHIP until whites form *very stiff* peaks. They should be much stiffer than for angel food or meringue. DO NOT UNDERBEAT.

STEP 3 ... POUR egg yolk mixture gradually over whipped egg whites—*gently* folding with rubber scraper *just* until blended. DO NOT STIR. Pour into *ungreased* pan immediately. Bake in:

10-in. tube, 4-in. deep—325°—65 to 70 min.	**8x8x2-in. or 9x9x2-in. square—350°—30 to 35 min.**
9x13x2-in. oblong—350°—45 to 50 min.	**5x10x3-in. loaf—325°—50 to 55 min.**
	9-in. tube, 3½-in. deep—325°—50 to 55 min.

... or until top springs back when *lightly* touched.

Immediately turn pan upside down, placing tube part over neck of funnel or bottle, or resting edges of square, oblong, or loaf pans on 2 other pans. Let hang, free of table, until cold. Loosen from sides and tube with spatula. Turn pan over and hit edge sharply on table to loosen.

ORANGE CREAM ICING. Melt in saucepan ½ *cup shortening* (part butter adds flavor). Remove from heat. Blend in *4 tbsp. SOFTASILK Cake Flour, ¼ tsp. salt.* Stir in slowly ½ *cup orange juice.* Bring to a boil, stirring constantly. Boil 1 minute. (If mixture curdles, do not be alarmed.) Remove from heat. Stir in *3 cups sifted confectioners' sugar.* Set saucepan in bowl of cold water. Beat until consistency to spread. Stir in *1 tbsp. grated orange rind. Makes icing for Large Chiffon Cake; for Small Chiffon Cake, use half the amounts of ingredients.*

*HOT BUNS, COLD BEVERAGE
Happy inspiration—when hunger catches up with you, somewhere between noon and nightfall! Treat yourself—and the home-from-school crowd—to frosty Dole Pineapple Juice and fresh hot cross buns. How good that sunny juice tastes going down! Just as good *for* you, too. Dole's bright with goodness, blessed with dancing flavor. Keep a can in your refrigerator—ready for a tropic intermission, any time!
DOLE lifts for Lenten days -
DOLE
PINEAPPLE JUICE
*TUNA TROPIC-STYLE
Even the men won't sigh for meat, when you fix fish like this! Follow your own tuna casserole recipe, but for the golden touch—top with Dole Pineapple Chunks before baking. Dole Pineapple Chunks work their magic charms with so *many* Lenten foods—put come-and-eat-it goodness in your meals.
serve pineapple these three ways!
*TWO-CRUST PINEAPPLE PIE
Grand finale to a meatless dinner . . . a pineapple pie starring the crisp-cut, tender, flavor-rich morsels of the new Dole Crushed. Drain a no. 2 can of Dole Crushed. Combine ½ cup sugar, 3 tbsps. flour, ¼ tsp. salt; mix with drained pineapple. Pour mixture into pastry-lined 7" pan, add ½ cup of pineapple syrup, dot with butter or margarine; put on top crust, bake as usual.
*By Patricia Collier
Dole Home Economist
Hawaiian Pineapple Co., Ltd., San Francisco 6

CASSEROLES WITH RICE

Golden Cheese and Rice

Relishes and hot bread are all you need to serve with it—

2 cups cooked rice
3 cups shredded carrots
2 cups grated American cheese
2 beaten eggs
1½ teaspoons salt
¼ teaspoon pepper
2 tablespoons minced onion
½ cup milk

Combine ingredients; reserve ½ cup cheese. Pour into 1-quart greased casserole. Sprinkle with remaining ½ cup cheese. Bake in moderate oven (350°) 35 to 40 minutes.—*Miss Mary Shipp Sanders, Denton, Texas.*

Club Chicken Casserole

It's elegant enough for company, makes your company dinner easier to manage—

4 tablespoons butter or fortified margarine
5 tablespoons enriched flour
1 cup chicken stock
1½ cups evaporated milk
1 teaspoon salt
3 cups cooked rice
1½ cups diced cooked chicken
1 3-ounce can (¾ cup) broiled mushrooms, sliced
¼ cup chopped pimiento
⅓ cup chopped green pepper
½ cup slivered blanched almonds

Melt butter; add flour and blend. Add stock and milk and cook over low heat until thick, stirring constantly. Add salt. Alternate layers of rice, chicken, and vegetables in greased 6- by 10-inch baking dish. Pour over the sauce. Top with slivered almonds. Bake in moderate oven (350°) 30 minutes. Serves 8 to 10.—*Mrs. Uel P. McCullough, Goodyear, Arizona.*

ORANGE AND GRAPEFRUIT DESSERTS

Shrimp Curry

You can have it ready in just 30 minutes—

1 cup rice
1 teaspoon salt
2½ cups boiling water
1 10½- or 11-ounce can cream of chicken soup
¼ cup light cream or top milk
1 teaspoon curry powder
1 pound fresh shrimp cooked and cleaned

Wash rice; drain. Add salt to boiling water. Add rice. Cook till tender, 20 to 30 minutes. Drain. Combine chicken soup, cream, and curry powder. Add shrimp and heat thoroughly. Serve over hot, fluffy rice. Serves 4 to 5.—*Mrs. Leo M. Davis, Dallas, Texas.*

Cooks' Round Table of Endorsed Recipes

Desserts

Orange Upside-Down Cake

The cake itself has the flavor of fresh oranges, too—

¼ cup butter or fortified margarine
½ cup brown sugar
½ cup granulated sugar
2 or 3 oranges, peeled and sliced
½ cup California walnut halves
½ cup shortening
1 cup sugar
2 well-beaten eggs
1 teaspoon grated orange peel
2 cups cake flour
½ teaspoon salt
2½ teaspoons baking powder
¾ cup milk

Melt butter in 9-inch square pan. Add sugars; heat slightly and blend. Arrange orange slices and nuts in pan. Thoroughly cream shortening and sugar. Add eggs and orange peel; beat well. Add sifted dry ingredients alternately with milk. Pour batter over oranges. Bake in moderately hot oven (375°) 30 minutes. Let stand 2 or 3 minutes; invert on plate. Serves 8.—*Mrs. D. C. Linden, Madison, Wisconsin.*

Cottage Pudding With Orange Sauce

Cake is quick, eggless. Cut orange sections and make hot orange sauce for the top—

3 tablespoons shortening
1 cup sugar
½ teaspoon vanilla
2 cups cake flour
½ teaspoon salt
2 teaspoons baking powder
1 cup milk
3 or 4 oranges, sectioned

Thoroughly cream shortening, sugar, and vanilla. Add sifted dry ingredients alternately with milk. Beat smooth. Pour into greased 6- by 10-inch cake pan. Bake in moderate oven (350°) 40 minutes. Cut in squares. Split and fill with orange sections. Serve hot with **Orange Sauce:** Mix ¾ cup sugar, 2 tablespoons cornstarch, and ¼ teaspoon salt. Add 1 cup orange juice. Cook until thick and clear, stirring constantly. Add 2 teaspoons grated orange peel; blend. Makes 1¼ cups.—*Norma McCoy, Des Moines.*

Orange Sunshine Dessert

Fluffy, whipped-cream dessert—delicate orange flavor. The kind of treat you like to serve at bridge—

1 cup orange juice
1 teaspoon grated orange peel
24 marshmallows, cut in half
2 tablespoons sugar
1 cup heavy cream, whipped
2½ dozen vanilla wafers
1 orange, peeled and divided in sections

Combine orange juice and peel; heat to boiling; add marshmallows and stir until dissolved. Cool. Add sugar to whipped cream. Fold into orange mixture. Chill. Line bottom and sides of 5- by 9-inch pan with whole vanilla wafers. Pour in filling. Chill thoroughly. Garnish with orange sections before serving; unmold, if desired. Serves 8 to 10.—*Mrs. Malcolm Pierson, Tampa, Florida. Note:* To unmold, line pan with strips of waxed paper; lift dessert from pan.

Fruit Ambrosia

A beauty to serve at the table. Arrange fruits as shown in the photograph—

3 oranges
1 grapefruit
1 cup mixed fruit cocktail, drained
2 bananas, sliced
2 to 3 tablespoons lemon juice
½ cup strained honey
½ cup moist, shredded coconut

Segment oranges and grapefruit. Arrange fruit in large bowl; combine lemon juice and honey. Sprinkle over fruit. Top with coconut. Chill. Serves 6.—*Mrs. J. B. Lundgren, Brooklyn, New York.*

Cooks' Round Table of Endorsed Recipes

Casseroles

Spanish Rice With Tongue

Top winner for February. Because it has the delicious flavor that comes with slow baking. Because it's excellent for your buffet suppers—

1 cup chopped onion
1¼ cups chopped celery
2 cloves garlic, crushed
3 tablespoons fat
1 No. 2½ can (3½ cups) tomatoes
1 teaspoon salt
⅛ teaspoon pepper
1 to 2 tablespoons brown sugar
1 8-ounce package American spreading cheese, diced
3 cups cooked rice
3 cups cubed smoked cooked tongue
1 3-ounce can broiled mushrooms, sliced

Cook onion, celery, and garlic in hot fat until golden. Add tomatoes and simmer over low heat until thickened, about 1 hour. Add seasonings and sugar. Add cheese; stir until melted. Add remaining ingredients. Bake in greased 2-quart casserole in slow oven (300°) about 1 hour. Top with ripe olive daisy.—*Mrs. M. H. Lax, St. Paul.*

Here's how to "fancy-up" a CHOCOLATE DEVIL'S FOOD CAKE

CHOCOLATE-DIPPED BANANA SLICES

3 large bananas
2 squares Baker's Unsweetened Chocolate
2 teaspoons butter or margarine

Cut 16 banana slices; dip in bittersweet coating, made by melting Baker's Chocolate squares with butter. Let stand on waxed paper until set. Slice remaining bananas and arrange on top of cake. Spread with whipped cream. Decorate with chocolate-dipped banana slices, arranging in 4 rows of 4 slices each. Cut cake in 2½-inch squares.

Expect compliments when you bake with . . .

BAKER'S CHOCOLATE!

Nobody just *eats* a cake made with Baker's Chocolate. They eat it and rave! And once you've *baked* with Baker's Chocolate, you'll agree there's just no substitute for that famous Baker *real* chocolate flavor. It's rich, pure chocolate that gives all your chocolate desserts *real* chocolate flavor and rich chocolate color.

Products of General Foods

Youngsters love that grown-up feeling of having a hot beverage with their meals!

And Baker's Breakfast Cocoa made with milk is so *good* for children. Not just at mealtimes — but in their lunchbox vacuum bottles, and as an after-school drink — Baker's Cocoa is tops. Better ask your grocer for a can today. These crisp, cold days are no time to be without Baker's Cocoa. Grownups, as well as children, love the warm, flavorful goodness of Baker's Cocoa.

CHOCOLATE-LOVIN' FOLKS ENJOY THE WHOLE WALTER BAKER FAMILY!

DE LUXE DUTCH-PROCESS COCOA · SEMI-SWEET CHOCOLATE CHIPS · DOT CHOCOLATE · BREAKFAST COCOA · GERMAN'S SWEET CHOCOLATE · PREMIUM NUMBER ONE

Great Health Discovery found right in your DISHPAN

How you wash dishes . . . and the kind of suds you use . . . can mean the difference between sickness and health. Every thoughtful housewife should read these startling facts.

HOW TO FIGHT COLDS, SICKNESS IN YOUR HOME

DREFT helps protect your family's health

as no suds ever could before!

Perhaps you didn't know that danger lurks in your dishpan. But it's there! Even glasses and dishes that look clean may actually carry sickness to the very ones you wish to protect.

This is a proved fact. For doctors have found that germs *breed* in dishwater film. Even dishes that you've scrubbed hard, and polished carefully often carry this germ-breeding film.

Dreft Ends Germ-Breeding Film. With this amazing dishwashing discovery—DREFT—the menace of dishwater film is gone—DREFT leaves no film—it actually helps protect your family's health.

And this new way of dishwashing, made practical by DREFT, not only helps you safeguard those you care for—it is actually an easier, quicker, happier way of doing dishes!

New, Quick, Dreft Way. Wash your dishes in Dreft's abundant lasting suds. Give them a hot rinse (the hotter the better). Then let them drain dry. It's just as easy as that!

Dreft suds leave your dishes and glasses shining bright . . . even without wiping. Healthfully clean . . . film free—as no suds before Dreft ever got them!

Heed the warning of Public Health authorities . . . help protect your family's health.

LOTS OF SUDS
MILD-TO-HANDS SUDS

DREFT WASHES DISHES SO CLEAN THEY SHINE EVEN WITHOUT WIPING!

Contest for good cooks

Cash for your pressure-pan ideas and rolled-cooky recipes

RECIPE contest this month pays $70 for Pressure-Pan Specials and Rolled Cookies. If you send us the best recipe, you'll receive $10; if you are one of 20 others sending prize recipes you'll get $3. All you do is mail your recipe to us. Here are some tips

Pressure-Pan Specials include all except desserts. Your trick may be a whole-meal combination, like pork chops or stuffed flank steak with potatoes, onions, and carrots. Or you may have a single-dish specialty such as Italian Spaghetti, Chili Con Carne, or Baked Beans. And don't forget your pressure-pan vegetable dinners and stews. Also send us your ways with meat in a pressure pan—how you fix a pot roast, fry a chicken, barbecue ribs, or pressure-cook Swiss Steak. We want to know the way you tenderize and glamorize the thrifty meat cuts, how you cut cooking hours to minutes in your pressure saucepan.

Rolled Cookies include all the delicious kinds you make, from big old-fashioned sugar or ginger cookies to dainty chocolate crispies or vanilla wafers. Come September, you'll be getting out your rolling pin and cooky sheet to fill up that cooky jar for husky fall appetites. To publish your cooky favorites in next September's Cooks' Round Table, we need your recipes to test and judge now.

And remember, the winners of these 21 prizes will receive the *Better Homes & Gardens* Certificate of Endorsement, and six copies of the endorsed recipe.

1. Write your recipe clearly on one side of the paper. Send but one recipe at a time and mark it, "September Pressure-Pan Specials" or "September Rolled Cookies."
2. Print your full name and address clearly in upper right corner of recipe page.
3. Give measurements in level cups, tablespoons, and teaspoons, never in heaping or scant measurements.
4. Be sure to specify in your recipe the brand names of the nationally known food products you use as ingredients—products available everywhere. We must know them so we can test your recipe with the same brands you use.
5. Include 50 to 100 words about the history or origin of your recipe.
6. All recipes submitted become the property of *Better Homes & Gardens.*
7. Entries must be postmarked by midnight, February 28.
8. Address the recipes you enter to 5402 Tasting-Test Kitchen, *Better Homes & Gardens,* Des Moines 3, Iowa.

This month's winners

Cook-of-the-Month is Mrs. M. H. Lax of St. Paul, Minnesota. Her Spanish Rice is a 1-hour oven meal. You can get it ready in the morning.

Another unusual way to serve rice is Mrs. McCullough's Club Chicken Casserole, just right to serve when you have luncheon guests. Mrs. McCullough was given the recipe by a Swedish friend. Or try Mrs. Davis' Shrimp Curry with rice. You can fix it in 30 minutes.

Mary Sanders' Golden Cheese and Rice, flecked with shredded carrots, is as colorful as a burst of sunshine. Ideal for lunch with a green salad.

Orange dessert star is Mrs. Lindin's Orange Upside-Down Cake. Feathery cake is crowned with orange slices and sauce.

Mrs. Malcolm Pierson's Orange Sunshine Dessert is a marshmallow-whipped cream mixture, delicately flavored with orange juice and chilled in a vanilla-wafer shell.

For an economical dessert that's super special, try Norma McCoy's Cottage Pudding With Orange Sauce. Tender eggless cake is cut, filled with orange sections, and topped with a tangy orange sauce.

A refreshing ending to a filling February dinner is Mrs. Lundgren's Fruit Ambrosia, tingling with orange, grapefruit, and lemon flavors. Turn to page 73 to find these recipes. Look below to find the names of other winning cooks.

Honor Roll

Mrs. John Binder, Marshfield, Wisconsin.
Mrs. F. W. Cooper, Oakland, California.
Mrs. Leo M. Davis, Dallas.
Rose Marie Hallberg, Iron Mountain, Michigan.
Ethel Heiple, Auburn, California.
Edna Johnson, Sacramento.
Mrs. Ralph Leinbenger, Darlington, Wisconsin.
Theresa M. Lessmeister, Peru, Illinois.
Mrs. D. C. Lindin, Madison, Wisconsin.
Mrs. J. B. Lundgren, Brooklyn, New York.
Norma McCoy, Des Moines.
Mrs. Uel P. McCullough, Goodyear, Arizona.
Mrs. John T. Marrier, Jacksonville, Florida.
Mrs. Clarence B. Masterson, Detroit.
Mrs. Ethan Mellen, Oahu, Hawaii.
Mrs. A. D. Miller, Grinnell, Iowa.
Mrs. Stuart H. Morgan, Newark, Ohio.
Mrs. D. L. Pakulski, St. Paul.
Mrs. Malcolm Pierson, Tampa, Florida.
Mary Shipp Sanders, Denton, Texas.

Hot Rolls, yes!

and with Bisquick

Easy Betty Crocker method almost like making Bisquick biscuits, except that you add a little yeast to the liquid. Simple directions on Bisquick package. You're sure to succeed, even if you've never tried yeast dough before.

Your rolls are ready for the oven in a little over an hour. And how proud you'll be when you take them out . . . feathery light and fragrant, with a tender golden crust! So delicious with jam or jelly. Thrifty. Enough Bisquick in the big box for 4 to 6 dozen rolls. Why not serve these Bisquick Hurry-Up Rolls tonight?

CLOVERLEAF ROLLS: *Form bits of dough into balls of 1-in. diameter. Place 3 balls in each of 18 greased medium-sized muffin cups. Let rise and bake as for other rolls.*

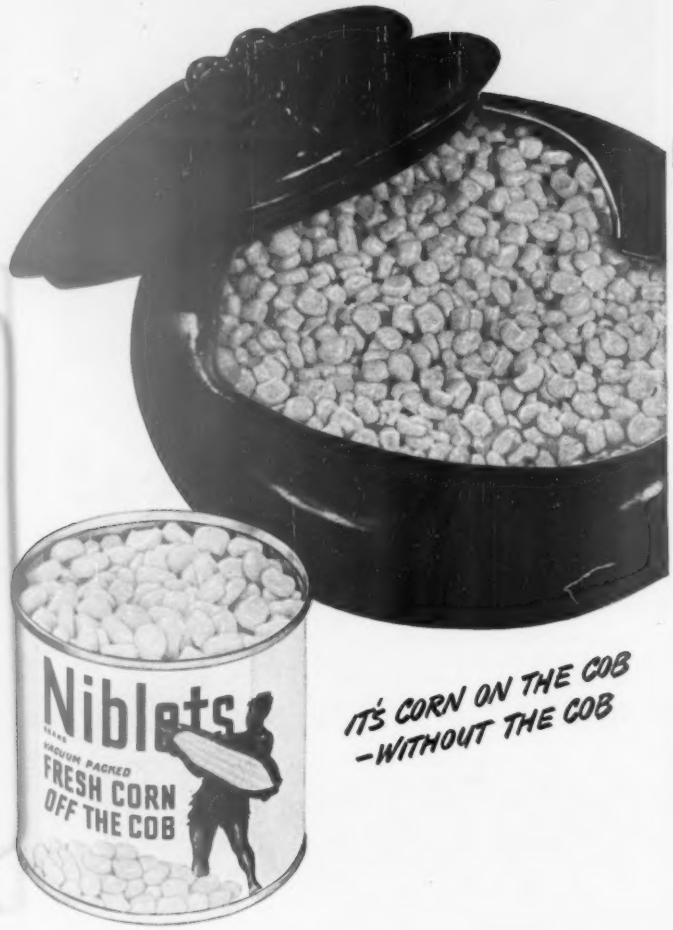
General Mills

©1949. "Betty Crocker" is a trade name of General Mills, Inc.

● **Now make pie crust like Betty Crocker's**—Easy with Crustquick! Betty Crocker's pie crust in a package. Just add water for crisp, flaky pie crust. This new pie crust mix made with Gold Medal Flour, salt, pure shortening. For apple, lemon, every kind of pie. Try Crustquick!

Quite a dish

TO SET BEFORE A HUSBAND



IT'S CORN ON THE COB —WITHOUT THE COB

Want to give him that happy look of a small boy with butter on his chin? Then set him down to a piping dish of Niblets Brand whole kernel corn, always farm-fresh and tender. It's grown from special seed (D-138) by a scientific system of Flavor Farming . . . it's "packed at the fleeting moment of perfect flavor." Kernels from four golden ears in every can.

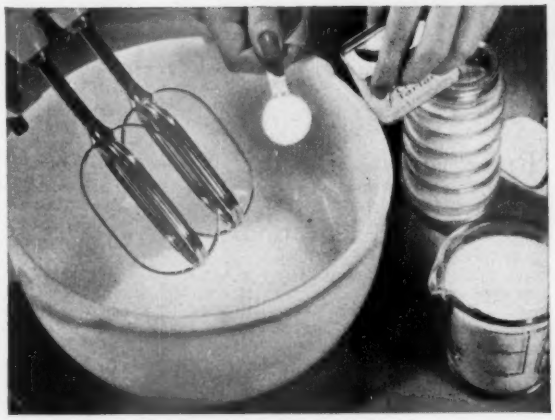
Listen to the Fred Waring Show on NBC every Friday morning for the Green Giant

NIBLETS BRAND *whole kernel* CORN

Minnesota Valley Canning Company, headquarters, Le Sueur, Minnesota; Fine Foods of Canada, Ltd., Tecumseh, Ont. Also packers of Green Giant Brand peas.

© MVCCo. "Niblets" and "Green Giant" Brands Reg. U. S. Pat. Off.

Perfect dessert



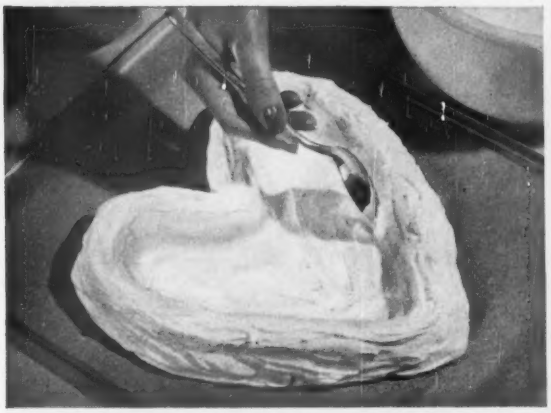
1 There are 4 egg whites in the bowl. Add 1 teaspoon cream of tartar, ½ teaspoon vanilla, and ½ teaspoon salt. Egg whites should be at room temperature so they will whip up extra fluffy. Separate the eggs while they are cold

2 Beat egg whites till stiff but not dry. Note the mixture in the bowl—the stiff peaks are still glossy. Next step is to add sugar. Have 1 cup measured and sifted to remove any lumps. Keep the beaters going and start adding the sugar

3 Add sugar gradually, 1 tablespoon at a time. Beat after each addition until well blended. All the sugar should be dissolved. You might taste a little of mixture to make sure—it should be completely blended, no sugar crystals

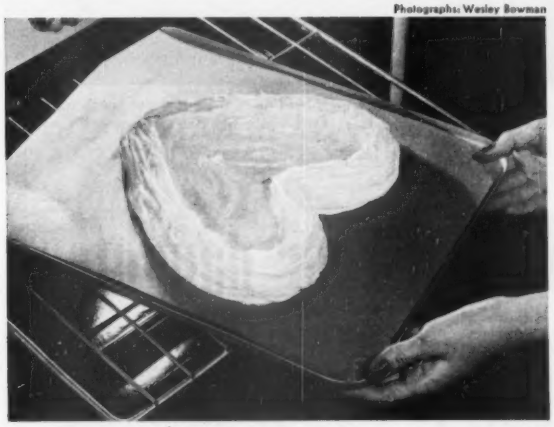
meringues

Each picture gives you a tip for making of perfectly tender, crusty dessert meringues

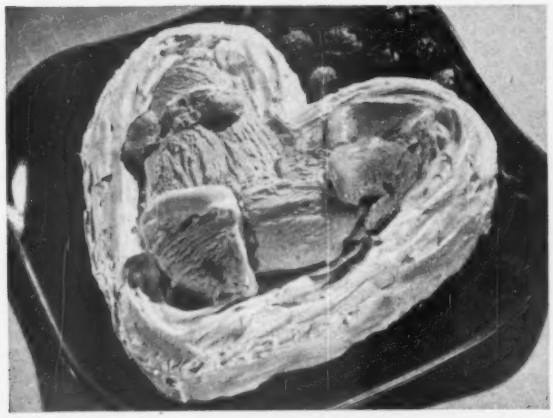


4 Heart Meringue: Line cooky sheet with unglazed brown paper. On it trace a heart from a cardboard pattern. Use a full recipe of meringue (4 egg whites). Smooth the fluffy mixture out to edge with back of spoon; build up rim

Photographs: Wesley Bowman



5 Bake meringue heart in slow oven (250°) 1¼ hours. Meringue will be delicately tinged with golden brown, crisp outside, tender and a little moist inside. Bake small, individual meringues in moderate oven (275°) 50 minutes



6 Fill meringue with ice cream, just before serving. Any flavor you like. We picked pink strawberry ice cream and garnished the dessert with fruit fresh from the berry patch. Use a pie server, or spoon and fork to serve the dessert

Try this pie for sighs! says Ann Pillsbury

A GLORIOUS PEACH DESSERT

Like golden gems, these juicy peaches are set in a crust so flaky and tender it swoons at the sight of a fork. And why not? It's a crust made with Pillsbury's Best—the satin-smooth flour that's been *oven-tried* for four generations, and is just as *oven-true* today . . . no matter what you bake! No flour—no, not one—more perfectly answers your every baking purpose. Why look further? Get Pillsbury's Best *today*—for best results *always!*

Ann Pillsbury's SUNNY PEACH PIE

Delicious, yes . . . but only typical of Pillsbury's Best results!

Makes one 9-inch pie.

Bake at 450° F. for 12 to 15 minutes.

Sift together . . 1 cup sifted **Pillsbury's Best Enriched Flour**
½ teaspoon **salt**
Cut in . . . ⅓ cup **shortening** until particles are size of small peas.
Add . . 2 to 3 tablespoons cold **water** until dough holds together.
Roll . . . . . to about ⅛-inch thickness.
Fit . . . . . loosely in pan and gently pat out air pockets. Trim pastry 1 inch beyond rim of pan. Fold to form standing rim; flute edge. Prick crust with fork.
Bake . . . . . at 450° F. for 12 to 15 min.

Peach Filling

Combine ¼ cup **sugar**
3 tablespoons **cornstarch**
Add . . . . . 1 cup **syrup**, drained from one #2½ can sliced California Cling peaches
Cook . . . . . until thick, stirring constantly. Remove from heat.
Add . . . . . ¼ cup **orange juice**
1 teaspoon grated **orange rind**
1 tablespoon **butter**
⅛ teaspoon **salt**
Blend in . . . . sliced California Cling **peaches**
Turn into . . . . cooled pastry shell. Chill. Top with whipped cream, if desired.

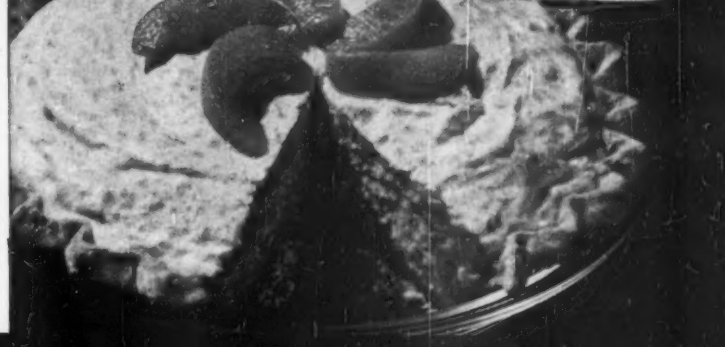
You Bake Your Best with Pillsbury's Best

LOOK! A PEACH CHIFFON DIVIDEND . . . FREE!

Ann Pillsbury's GOLDEN PEACH CHIFFON

Soften 1½ tablespoons unflavored gelatin in ¼ cup cold water. Combine 3 egg yolks, slightly beaten, ¼ cup sugar, ½ cup orange juice, 1 teaspoon grated orange rind, ½ teaspoon salt, 1½ cups sieved California Cling peaches (one #2½ can). Cook over boiling water until thickened, stirring constantly. Add gelatin and stir until dissolved. Remove from heat. Chill until partially set. Beat 3 egg whites stiff but not dry; gradually beat in ½ cup sugar. Fold gelatin mixture into egg whites. Pour into cooled, baked pastry shell. Chill until firm.

Pillsbury Extra-Value Coupons now packed in every bag



Parties
Peanuts
PLANTERS

In Half-Pound Cans

First aid to popular hostesses—PLANTERS Cocktail Salted Peanuts!

Guests love 'em!

These PLANTERS products are also made in Toronto, and sold everywhere in Canada.

PLANTERS is the word for PEANUTS

Her home should welcome her friends—for casual boy and girl get-togethers especially. Have refreshment supplies on hand. You should be in the house but not in command. Circulate occasionally but don't be present constantly

Are you helping your daughter to be popular?

By Marjorie Holmes

JINNY is a pretty girl of 17. Jinny has a nice home, nice family, and nice clothes, but surprisingly few friends. "Jinny likes Mother and Daddy best," her mother eagerly explains. "Aren't we lucky? She isn't always running around with boy friends and girl friends, and we don't have to worry about her."

But Jinny's mother *is* worried—you can see it in her eyes. Mothers (barring unduly possessive ones) just naturally want their daughters to be popular. Partly for the girl's own happiness, partly for their own. When you see your darling float off to a prom, you go, in a sense, yourself. If she's had a lovely time, your heart echoes the happy music of her voice. And if she's suffered, if her young eyes appeal to you, big and wet and bewildered over the hunched-up bed covers, if she begs, "Why, Mummy, *why* don't the boys dance with me?" your heart bleeds. It seems as if you've failed to show her the way.

Of course, the business of trying to make your daughter popular can be overdone. I remember Mrs. Webster, so frantic to see that her Betty had more clothes and more beaux than anyone else that she only succeeded in making both herself and Betty thoroughly detested. And often the most retiring youngsters lead happier, more successful lives when they grow up than the former butterflies.

EVEN so, the days of youth are brief and precious. At no time in anyone's life are the possibilities for ecstasy or utter heartbreak greater. And both depend to a large extent on so-called popularity.

I believe that parents *ought* to help their daughters have fun and friends. That when girls don't it is frequently our fault. Here are some of the ways you can help your daughter to popularity and self-confidence. [*Turn to page 82*

A Better Homes & Gardens child care and training feature

Start with the sweet country-cream flavor of

Del Monte Corn

BRAND

This is DEL MONTE *Golden Cream Style Corn* in the thrifty casserole below. Its sweet, hearty flavor is so rich it holds up in made-up dishes like this. And goes over just as big when you serve it plain.

You ought to know DEL MONTE *Golden Whole Kernel Corn,* too. Same remarkable flavor—in bright, plump, tender kernels.

All DEL MONTE Brand Corn is specially bred for higher natural sugar content and very thin-skinned kernels. Ask for it!

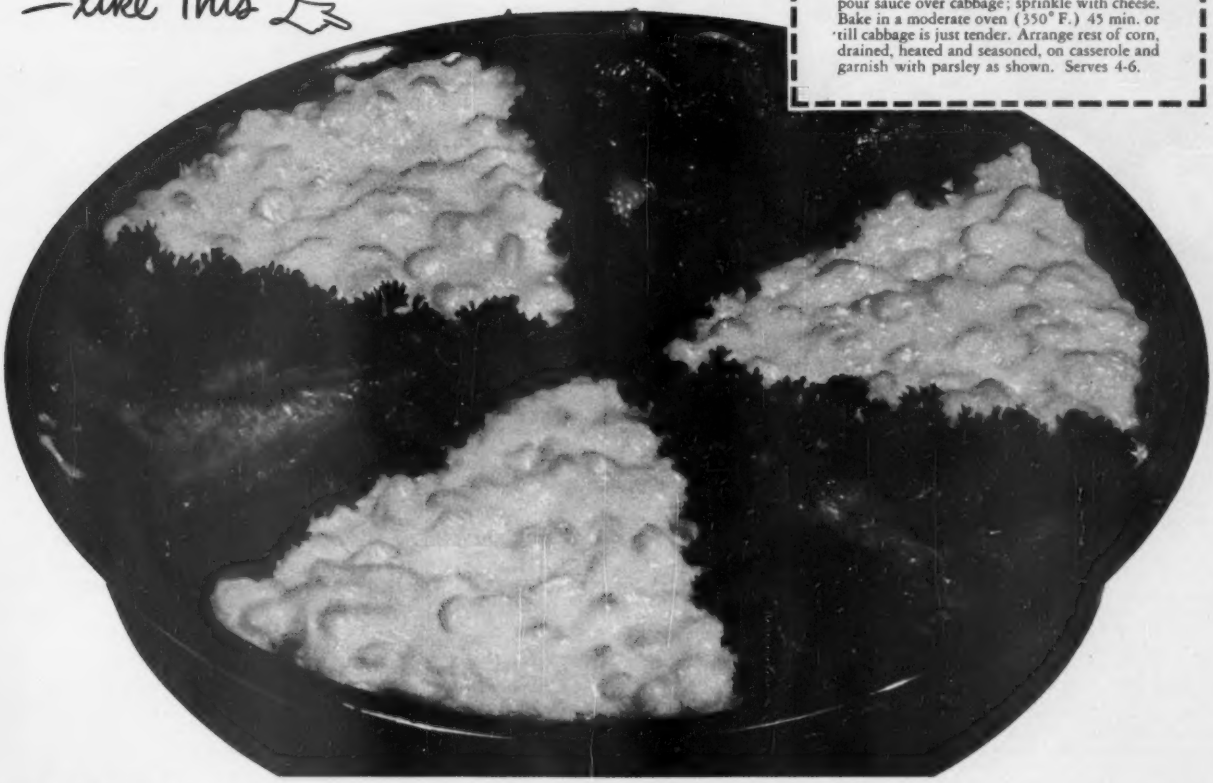
One more good food from the brand that puts **FLAVOR FIRST**

HARLEQUIN CASSEROLE

- 4 slices bacon, cut in ½-in. pieces
- ¾ cup chopped onion
- 2 tbsps. flour
- 1 can DEL MONTE Tomato Sauce
- 1 cup water
- ¼ cup finely cut parsley
- 1 No. 2 can DEL MONTE Golden Cream Style Corn
- ½ large head cabbage
- ¼ lb. American cheese, grated

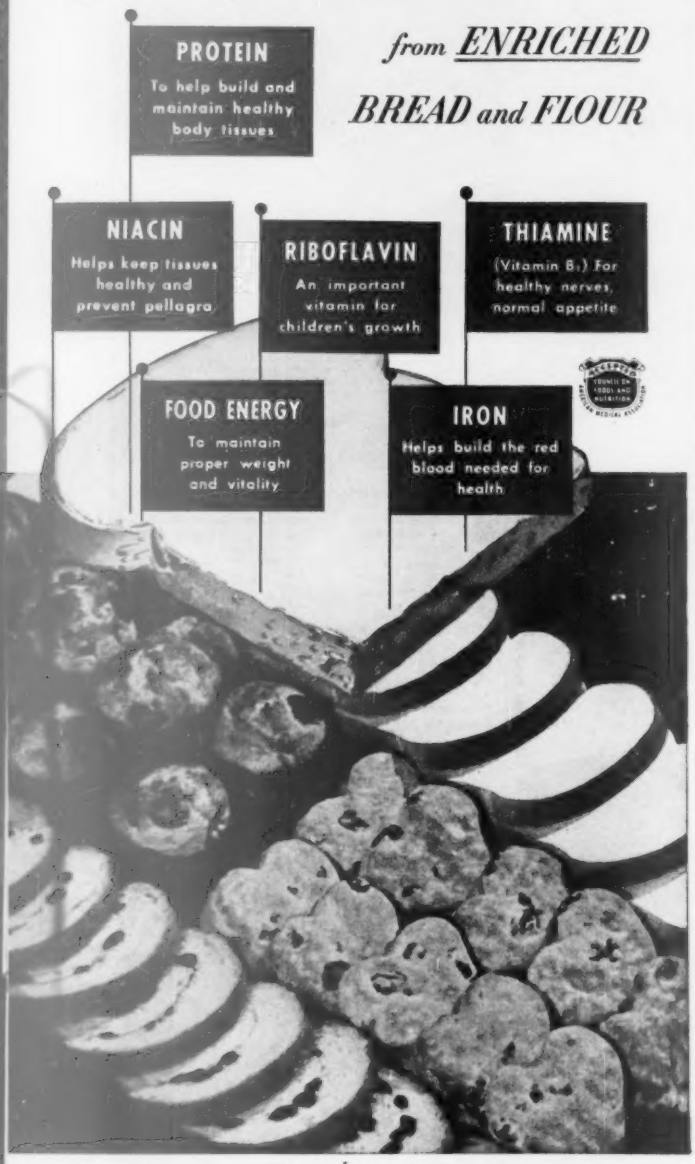
Fry bacon till golden brown. Add onion; cook slowly till limp. Stir in flour; then tomato sauce and water, stirring constantly. Simmer 8 min. Add parsley, ½ cup of the corn, salt and pepper to taste. Cut cabbage in thin wedges; remove core and heavy ribs. Lay wedges in greased, shallow 6-cup casserole; pour sauce over cabbage; sprinkle with cheese. Bake in a moderate oven (350° F.) 45 min. or till cabbage is just tender. Arrange rest of corn, drained, heated and seasoned, on casserole and garnish with parsley as shown. Serves 4-6.

and you're sure of grand, good-eating —like this



What nutritionists say about the 6-way nourishment

from ***ENRICHED BREAD and FLOUR***



So easy to give everyday meals a festive touch! Add cherries to muffins, or to biscuits cut in holiday shapes. And vary your menus with delicious kinds of breads from the stores.

Nutrition authorities give a prominent place in the all-round balanced diet to enriched breads and other baked foods. These scientists, whose job it is to show us how to eat well to keep well, say over and over that bread is a most economical source of food energy. They call enriched bread "an important carrier of nutrients" . . . they say "it contributes to better nutrition". See those flags up there? Read what these contributions actually are . . . 6-way nourishment for you and your family at meal-time and between-time!

"IS BREAD FATTENING?" Not a bit more so than any other food of equal energy content. Nutritionists point out that the carbohydrates of bread are readily and easily converted into energy which is then used by the body as needed.

WHEAT FLOUR INSTITUTE

SUCH DELICIOUS VARIETY at your baker's. Mouth-watering rolls, breads, cookies. Ask whether they're enriched . . . this added 6-way nourishment is important.

"RIGHT OUT OF THE OVEN" . . . those feather-light biscuits, muffins, cookies, cakes and pies that win cheers from your family and friends. Always buy flour labeled "Enriched."

SERVE PLENTY OF BREAD EVERY DAY. It's so economical, and so delicious. Look for the word "Enriched" on the wrappers of white bread you buy.

Copyright 1949, by Wheat Flour Institute, 309 W. Jackson Blvd., Chicago 6, Ill.

Popularity

Begins on page 80

Her appearance affects her personality. You can advise and suggest, but respect her judgment and the current fads beloved by her crowd

Her personal appearance

BEAUTY isn't everything; but to feel attractive gives a girl that self-confidence so necessary to social balance.

Teach her the principles of beauty care. Equip her with the proper beauty aids. Until she has established the habit, *see that she uses them.* Give her some of the excellent girls' magazines abounding in beauty advice—they will help to inspire her, and will save you considerable nagging.

Correct any physical defects she may have, such as a bad skin or crooked teeth. It simply isn't fair to a girl to allow her to grow up so handicapped. Dental braces or the services of a good dermatologist are worth every penny they cost, even if they mean sacrifices.

Allow her to wear her hair the way the other girls do. Keeping a girl of 14 or 15 in curls or pigtails is nonsense.

Her clothes are important. Shopping with girl friends sometimes instead of with you will give her confidence and deepen friendships

Her clothes

Don't insist that she wear outmoded or hated clothes. My own mother tells how a year of her life was almost ruined by having to wear high buckle overshoes instead of rubbers. "Papa was so afraid I'd get pneumonia. He couldn't see that those horrible clumping boots kept me [*Turn to page 85*

How to make a Wonderful Stew Thrifty, too-*with*

The delicious cooking sauce from California

WITH FOOD PRICES SO HIGH, some families have stew — and they do this:

But other families get a thrifty stew for dinner and they greet Ma like this:

THE SECRET is a quick little stunt with Hunt's Tomato Sauce: Simply add a can of this California cooking sauce to your favorite recipe for stew. Or use our good recipe below.

Remember — Hunt's is your best buy for flavor, richness, smoothness — *value!*

It's the *kettle-simmered* cooking sauce... zooming to amazing popularity. And —

Did we say *value?* Say! Hunt's is *all* tomato. No starchy fillers — just the flavory essence of vine-ripened tomatoes, seasoned perfectly. Yet it costs you but a few pennies a can!

So — get some Hunt's Tomato Sauce right away! Add it to your stews, meat loaf, casseroles, spaghetti, gravies. Make delicious, low-cost soups! Get Hunt's today!

BEEF STEW—HUNT STYLE

2 lbs. lean beef	6 onions
2 tbsp. flour	6 potatoes
2 tbsp. fat	1 cup green peas
2 cups water	2 tsp. salt
1 can Hunt's Tomato Sauce	¼ tsp. pepper
6 carrots	½ bay leaf
	⅛ tsp. thyme

Wipe pieces of beef with damp cloth, roll in flour. Brown in fat in heavy kettle or saucepan. Add water, Hunt's Tomato Sauce, and seasonings. Cover tightly and cook over low heat until almost tender — about 1½ hours. Then add prepared onions, carrots and potatoes. Cook about 30 to 45 minutes longer. Just before vegetables are tender, add the green peas. Serves six.

Hunt-for the best

Hunt's Fruits • Vegetables • Tomato Products

Hunt Foods, Inc., Los Angeles, Calif.

Why not get that new carpet now?

GOT A BEAUTIFUL NEW CARPET on your mind? Why not get it on your *floor?* Nothing makes a greater, quicker, lovelier change in a room.

So, don't put it off! Make the change now! Make magic with new color, new design, new beauty... in the *biggest single item in your room.*

Make tomorrow that long-delayed day when you go see the man who'll help you get the most for your carpet dollars—your local Bigelow dealer.

You pay just the price you'd planned. As much as $18.50 a sq. yd., if you're in a shoot-the-works mood. Or as considerate a price as $5.95. No matter what you pay, you get Bigelow's famous "quality you can *trust.*"

You have a wide-and-wonderful choice. In *every* price range, there's a thrilling array of colors, patterns, and surfaces. Traditional designs . . . or fresh modern motifs. Sculptured effects . . . "ankle-deep" textures.

You get a carpet you'll stay proud of. Each Bigelow Carpet is a master-blend of strong, springy imported wools. And how they hold their glowing good looks . . . their "lively" texture! One look . . . one touch . . . and you'll be glad you visited your Bigelow dealer, first!

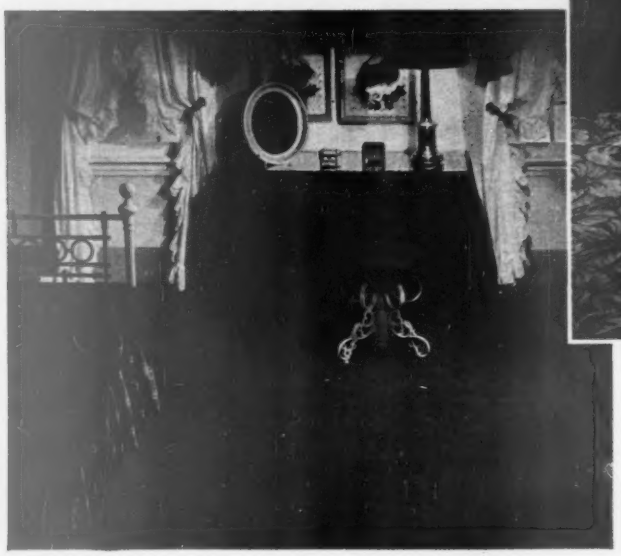
Above: **Traditional charm,** fit for the finest setting. Ask to see Bigelow's Fervak 9420. The price is a pleasure—about $7.25 a sq. yd.*

Right: **Fresh-as-air design**—lovely as a walk in the woods. Bigelow's Beauvais 1807, in a graceful leaf pattern. Around $9.50 a sq. yd.*

Below: **Deep-textured beauty,** at home with proud heirlooms or your newest treasures. Bigelow's rich and handsome Sonata 2103-3541, one of the most luxurious carpets ever woven. About $18.50 a sq. yd.*

*Slightly higher in the West.

For name of your local Bigelow dealer, call Western Union by number. Ask for operator 25.



LIVELY WOOL SPRINGS BACK UNDERFOOT

Bigelow
Rugs and Carpets

Beauty you can see . . . quality you can trust . . . since 1825

Popularity

Continued from page 82

out of a lot of things. They branded me as queer and made me feel inferior."

Nearly everyone has had some similar experience. Yet, when it concerns our offspring, how often we insist upon "sensible" clothes instead of current fads! True, we families of average means cannot afford to grant every whim, but we can at least help our child's longing to conform.

Let her shop with girl friends sometimes instead of with you. Girls love helping each other select what to wear, and often such excursions cement the bonds between them.

Encourage her to make her own clothes if she has a flair for sewing. And don't stint her on materials. Even if she has a few failures, she'll make up for it in money saved later on. Furthermore, she'll be able to have that undeniable aid to popularity, an ample wardrobe.

Give her honest advice on how she gets herself up. The continual chant, "How do I look?" may be a nuisance, but it's also a real opportunity to help. Don't brush it off with a preoccupied "Fine." Look her over. If there's a jarring note, point it out. And if she looks extra sweet, or if the new sweater does things for her figure, say so. Compliments give confidence, even when they come from a mother.

Her privileges should be clearly defined. Be reasonable, neither too strict nor too lenient. When she's old enough and can drive carefully, occasional use of the family car is a lift to her poise and confidence

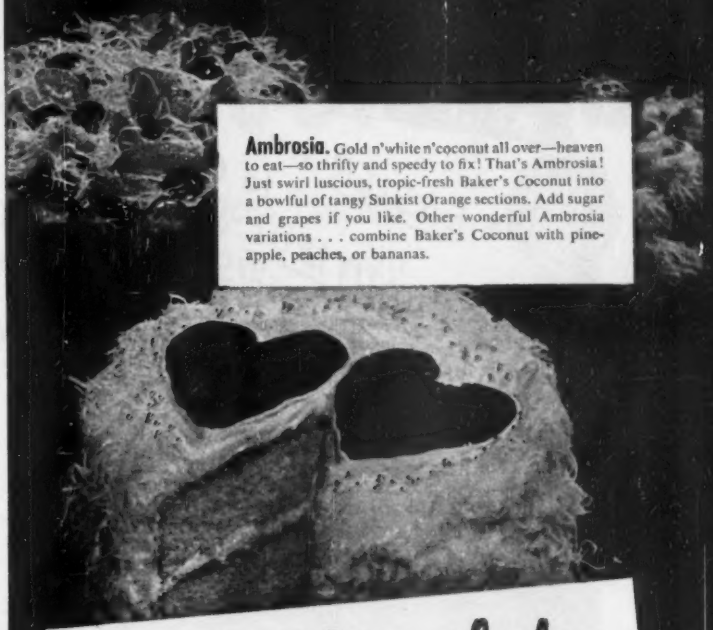
Her privileges

Don't be too strict. If your daughter can't share the general hours and privileges of her crowd, she will quickly lose out with them. True, she can't always go along with the majority. Sometimes you must insist that she stand alone. But be sure that your rules are reasonable.

Don't be too lenient. Strangely enough, this, too, can be a handicap. The girl who enjoys late hours and other freedom her associates can't have is resented and talked about.

Her friends

Make an effort to remember their names. Children are just as pleased at this as adults are. And you can certainly embarrass the new boy friend as well as your daughter by calling him Joe when he's really George. [*Turn to next page*



Ambrosia. Gold n'white n'coconut all over—heaven to eat—so thrifty and speedy to fix! That's Ambrosia! Just swirl luscious, tropic-fresh Baker's Coconut into a bowlful of tangy Sunkist Orange sections. Add sugar and grapes if you like. Other wonderful Ambrosia variations . . . combine Baker's Coconut with pineapple, peaches, or bananas.

Sweetheart Cake...so lovely, so easy with Baker's Coconut!

WANT HIM to kiss you at the dinner table on Valentine's Day? Bake him this romantic Sweetheart Cake—and drift it high with luscious, snowy Baker's Coconut!

For it's ten to one he *loves* coconut cake! Specially when the coconut's tender n'moist—*Baker's* Coconut!

You'll find Baker's Coconut in stores everywhere. Use it often!

For SWEETHEART CAKE, spread white cake with Coconut Frosting (see recipe on Baker's Coconut packages). Place wax-paper heart patterns on cake and edge with extra frosting. Remove patterns and fill heart outlines with red jelly. Drift snowy Baker's Coconut high around cake! Decorate with silver dragées.

Cherry Coconut Pie. Dissolve 1 package Cherry Jell-O in 2 cups hot water. Chill 1½ cups of the mixture until slightly thickened. Then whip as directed on package. Fold in ¾ cup Baker's Coconut and turn into baked 9-inch pie shell. Chill. When almost firm, arrange 1½ cups drained red cherries on top. Chill remaining Jell-O until slightly thickened, pour over cherries. Sprinkle with tender, flavor-fresh Baker's Coconut!

BAKER'S COCONUT

NEW RECIPE BOOK!

For colorful, idea-packed "Coconut Glamour Desserts," send 10¢ to Baker's Coconut, Box D29, Battle Creek, Mich.

Products of General Foods

It's the world's finest combination cooking and table service equipment! Beautifully designed GUARDIAN SERVICE is made to last for years and years . . . truly a blessing to homemakers. There is a unit for every purpose . . . a purpose for every unit! GUARDIAN SERVICE means *"better family health through better food preparation."* With this amazing equipment you cook the *'waterless way'* to retain more of the full, rich, natural vitamins, minerals and flavors in foods. All of your cooking, including roasting and baking, is done *top-of-stove*. Foods are served piping hot direct-from-stove-to-table. No need for special serving dishes . . . saves time and extra dishwashing. In fairness to yourself and to your family learn more about GUARDIAN SERVICE now.

NO OTHER EQUIPMENT COMBINES ALL THESE ADVANTAGES

VISUAL COOKING. Through the clear glass covers you see at a glance your cooking progress. No more lid lifting, steaming kitchens or cooking odors.

SAFE COOKING. Detachable, ever-cool handles *lock* on and *snap off* in a jiffy. Dangers resulting from overturned cooking utensils and overheated handles are eliminated.

EASY TO CLEAN. There are no rivets, sharp corners or rolled edges. Perfectly *smooth* inside finish makes it easy to keep the beautiful utensils brilliantly clean.

EXTRA THICK, WIDE BOTTOMS. Patented flanged bottoms trap the heat, assuring even cooking temperatures. Cooking is done over a small flame. Saves fuel. No warping, sticking or hot spots.

GUARDIAN SERVICE

GUARDIAN SERVICE is not sold in retail stores. Available only through authorized dealers in principal cities. *Consult your classified telephone directory.*

FREE booklet *"Better Family Health Through Better Food Preparation"* and complete GUARDIAN SERVICE information supplied on request. **WRITE:** Century Metalcraft Corporation, Dept. HF, 333 North Michigan Ave., Chicago 1, Ill.

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Popularity

Continued from page 85

Watch your telephone manners. The tones of your voice as you take a message can determine whether or not they will call back for Mary. Chat a minute or two if you have time. Never be guilty of jokes at their expense.

Don't outshine your daughter with her friends. "The kids come to see me as much as they do Dotty," is the ironic boast of a woman acquaintance. And she is witty, gay, a good dancer, in a way that puts poor Dotty in the background. Yet when prom times come she wonders why Dotty seldom has a date. Set your daughter the example of a pleasant, attractive personality. Use it to help her with her friends. But not to crash her crowd or become her rival.

Never brag about her to her friends or to their mothers. It is quick poison to popularity. Keep still about how beautiful she is, how smart, how many boys rush her.

Never interfere in times of trouble. Resist the temptation to scold those catty girls for what they said about Nancy, or to tell Mrs. Gordon how her John has treated your Jean! Such tactics only ruin your child's standing.

Her personality will develop through public contacts. She'll learn the value of a friendly smile in youth organization activities and community work

Her personality

TOO many parents give their daughters pretty clothes and permanents, liberal allowances and dancing lessons, but neglect any instruction in what is far more important to popularity—an attractive personality. Does your daughter have these character traits which are vital to her charm?

A happy disposition. People just naturally like others who are cheerful, rather than glum.

Agreeability. Can she get along with other people?

Generosity. Not only with material possessions, but with admiration and praise, particularly when someone else enjoys success.

Kindness. The simple elemental decency [*Turn to page 89*

AT LAST! A mix that dazzles even experts!

"No wonder!" says Frances Barton. "This new cake mix is made with Swans Down Cake Flour!"

FRANCES BARTON, of General Foods Consumer Service

WOMEN have been excited about cake mixes ever since they appeared. So simple, so easy, so quick! And yet . . .

. . . many experienced cakemakers have hesitated. Mixes would do, they thought, for hurry-up cakes—not for festive occasions.

But now that Swans Down Instant Cake Mix is here—what a hubbub! Phones buzzing with the news . . . bridge hands forgotten . . . stores "all sold out" . . .

"You can see why it's entirely different," women are telling each other. "It's made with Swans Down Cake Flour! Swans Down fineness, of course.

"And taste your piece again! Isn't that tenderness and delicacy just like the best cake you ever made?"

All the other ingredients in this new mix are worthy of Swans Down. That means the very best.

Two high layers of softest white cake slip proudly out of your pans. Yet all you do is add milk, beat and bake!

Yellow cake . . . devil's food, spice cake, orange cake, cookies, brownies . . . you make them all just by adding an extra ingredient or so.

And they all turn out with Swans Down perfection. Recipes with every box!

Get yourself an eye-opening package of Swans Down Instant Cake Mix today!

● **At your grocer's now . . . or coming soon!**

● **Egg whites taste fresh** as farm-fresh eggs in this Swans Down cake mix. They're "fluff-dried" by an exclusive process.

● **Sweet, fresh shortening** is the only kind good enough to go with Swans Down. It is an exceptionally stable, all-vegetable shortening that stays fresh longer.

● **Shortening is creamed,** just as traditional fine cakes have always been made. No sprayed or powdered shortening or other factory short-cut method.

● **Subtle flavoring!** Nothing loud or synthetic-tasting. A pure, delicate homey fragrance in every crumb!

Swans Down Instant Cake Mix

A product of General Foods

When a fellow welcomes hospitality

If you want to be technical, "hospitality" comes from a Latin word meaning rest and entertainment. If you want to be practical, it means, "Have a Coca-Cola." And that means refreshment, friendliness, relaxation—so casual, so complete.

Ask for it either way . . . both trade-marks mean the same thing.

COPYRIGHT 1949, THE COCA-COLA COMPANY

Popularity

Continued from page 86

which ought to prevent human beings from knowingly hurting each other, through word or act.

Charity. The refusal to gossip or be catty.

Whatever a child's temperament, these traits can be developed. And these simple old-fashioned virtues have far more to do with that glamorous achievement, popularity, than anything else.

Her home

Is it a place she can be proud of? Not elegant, necessarily, but cheerful, reasonably clean and tidy? I know a girl who seldom takes her friends home because her mother is always at club meetings and the housework never gets done. Kids don't object to unmade beds and a sink full of dishes once in a while, but they do have a pride in the decencies of living.

Are her friends always welcome in it? Last Christmas Eve four boys came to the door asking for Mickie. She was out caroling; we were frantically busy; but what mother can afford to overlook a haul of four boys! Despite her absence, we asked them in, let them help with wrapping and trimming, and paid them off in scrambled eggs and sausages. Singly or in groups they've been coming to the house ever since.

Are they really free to enjoy it? The living room and the kitchen, as well as the basement game room? Personally, I don't believe in continually shooing the younger set to the lower regions. They're noisy, sure, on occasion even destructive, but I've noticed that they come oftener to the home where they're treated like civilized human beings—and in general they live up to the treatment.

Is there a place where you can retreat while the crowd takes over? A chaperon on the premises is necessary, and you should feel free to circulate freely. But young people's spirits dampen when an adult must do his reading or knitting in their midst. If necessary, fix up your own cushion corner in the breakfast room, the sun porch, or the kitchen.

Have you a good stock of games with which a girl can entertain a boy friend when she doesn't know what else to do with him? Have you a table-tennis table?

Have you soft drinks in the refrigerator, pretzels and cookies in the cupboard? The girl who can always feed her friends will usually have a lot of them.

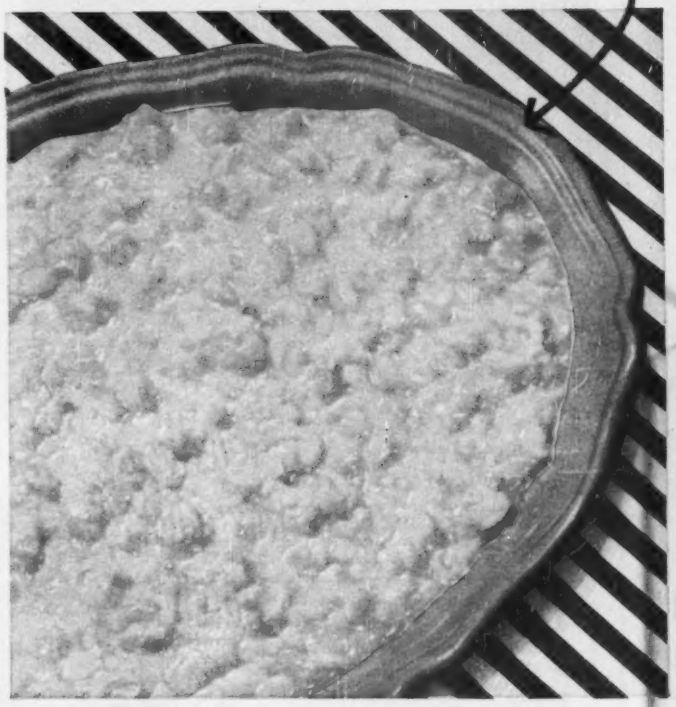
Does your home have a musical instrument? A radio, of course; a record player, a piano? Not all homes can afford all three, but some manner of music is a must for dancing. A piano is wonderful, since it forms a focal point around which to gather, on which to play those infinite varieties of chopsticks and boogie-woogie. I've noticed an increased swarm of youngsters since we bought ours a year ago.

Resign yourself to the noise, however. Nothing is gained by having your child's friends in, and then yelling at them.

Do you ever give your daughter a party? It's the best way in the world to win and influence friends for a daughter. It brings them to your home and often forms the nucleus of a crowd, if she doesn't already have one. It sometimes heals little breaches that may have sprung up in her group. Like anything else, parties can be overdone, but they are effective maternal aids, and are worth the effort.

There are, of course, rare instances where a girl has neither the flair nor desire for friendships. A girl so shy or self-sufficient that she honestly longs only to be let alone. In such cases it would be sheer folly as well as cruelty to press the issue. But to the average fun-loving girl, popularity is important. And rightly so, and you can help.

Tender golden kernels in their own rich cream



IT'S DEL MAIZ BRAND - THE CREAM STYLE CORN WITH THE GREEN GIANT ON THE LABEL

If you like summer-fresh corn—and like to get all the sweet corn cream along with the tender kernels—this is your dish. Each gold-and-cream forkful is rich in the goodness grown into our special breed of corn by "flavor farming." You'll find Del Maiz Brand Cream Style Corn at your grocer's—with your old friend, the Green Giant, on the label.

Minnesota Valley Canning Company, headquarters, Le Sueur, Minnesota; Fine Foods of Canada, Ltd., Tecumseh, Ontario. Also packers of Niblets Brand whole kernel corn and Green Giant Brand peas.

Del Maiz BRAND CREAM STYLE Corn

Listen to the Fred Waring Show on NBC every Friday morning for the Green Giant

© MVCCo. "Del Maiz," "Niblets" and "Green Giant" Brands Reg. U. S. Pat. Off.

BEANS
CHUCK WAGON STYLE

Costs less than 12¢ per serving*
2 cans Ann Page Beans, Boston Style
2 tbsps. brown sugar
1 tsp. Ann Page Prepared Mustard
¼ cup Ann Page Sweet Garden Relish
2 or 3 frankfurters, sliced

Combine all ingredients in baking dish or bean pot. Bake in moderate oven, 350°F., for about 30 minutes. Garnish as shown. 5 servings.

*Cost based on prices of ingredients in A&P Super Markets at press time.

Rustle-up this quick-fix dish!

IF your family likes beans even the least bit, this recipe is a sure-fire hit . . . the delightful savor of Ann Page Beans, the meaty goodness of "franks" and the zest of garden relish. And if your folks really go for beans, they'll love the Ann Page kind served plain or in any other way! They're tender, sauced to perfection, really swell eating!

Ann Page Beans are typical of all Ann Page Foods . . . top quality, yet attractively priced! Because they're made in A&P's own modern Ann Page food factories and brought directly to you, many unnecessary in-between expenses are eliminated and *you* share the savings.

ANN PAGE FOODS
A&P's Finest

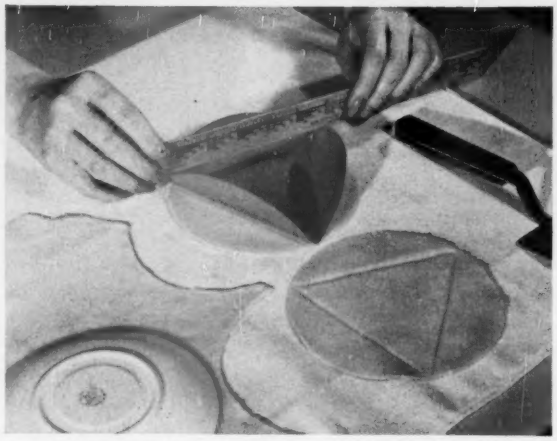
Among the quality famous Ann Page Foods are also such favorites as Macaroni Products; Prepared Spaghetti; Preserves, Jams and Jellies; Peanut Butter; Sparkle Desserts; etc

A&P

1939-1949 10TH YEAR OF ...

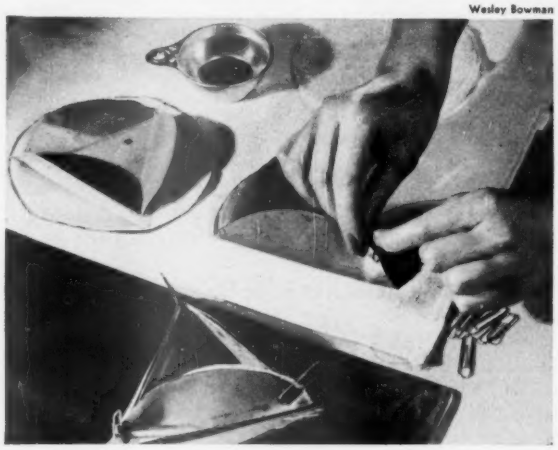
ANN PAGE BEANS BOSTON STYLE . . . are tender . . . plump . . . drenched in a savory molasses sauce with pork. Just heat 'n' eat.
ANN PAGE PORK 'N' BEANS . . . are really delicious . . . in a rich tomato sauce with a piece of pork. Just heat 'n' eat.
ANN PAGE BEANS VEGETARIAN STYLE . . . are cooked in a savory tomato sauce that's spiced just right. Just heat 'n' eat.
ANN PAGE RED KIDNEY BEANS WITH PORK . . . are cooked in a luscious molasses sauce with pork. Just heat 'n' eat.

How to make Cherry Hats



1 Cut pastry into circles, 5 to 6 inches in diameter. Use a saucer for a guide. Cut the same size circles from brown wrapping paper—these will be used for the outside of the hat. Cut paper circles 1 inch smaller for the inside of the hat. Fold paper circles as shown in picture. Lay large circle on pastry, and press each fold with ruler, as shown, to mark dough

Wesley Bowman



2 Place large paper circle under pastry, small paper circle on top. Moisten points of dough with cold water and pinch together to form the pastry hat. Fasten corners with paper clips. Be sure inside paper isn't caught between points of dough. Bake on ungreased cooky sheet in hot oven (450°) 20 minutes. Cool. Remove papers. Fill—see page 193

Cherry recipes

Latticed Cherry Pie

2 No. 2 cans cherries, drained (4 cups)
1 cup sugar
¼ cup enriched flour
⅛ teaspoon salt
2 tablespoons butter or fortified margarine
1 recipe Plain Pastry

Line a 9-inch piepan with pastry. Trim ½ inch beyond rim. Roll remaining pastry 1 inch larger than pan. Cut in ½-inch strips for lattice. Weave lattice on waxed paper. Combine cherries, sugar, flour, and salt; fill pie; dot with butter. Top with pastry lattice. Flute edge. Bake in hot oven (450°) 40 minutes.

Plain Pastry: Sift 1½ cups enriched flour and ½ teaspoon salt; cut in ½ cup shortening until pieces are size of small peas. Slowly add 4 to 5 tablespoons cold water,

[*Turn to page 192*

3 welcome *budget-saving* desserts

Whip them up in a jiffy, serve and prepare to take a bow! They're delicious, easy and inexpensive. They have the satisfying tang that only fresh Sunkist Lemons can give desserts. (Lots more in the wonderful Sunkist Recipe Book. See below.)

Lemon Cake Top Pudding

Mix 2 tablespoons softened butter (or margarine) and 1½ cups sugar. Add ⅓ cup flour, ¼ teaspoon salt, ½ cup fresh Sunkist lemon juice and 1 teaspoon grated lemon peel.

Stir in beaten yolks of 3 eggs, mixed with 1¼ cups milk. Fold in stiffly beaten whites of the eggs. Pour into custard cups or single dish. Set in pan of water and bake 45 minutes in moderate oven (375°).

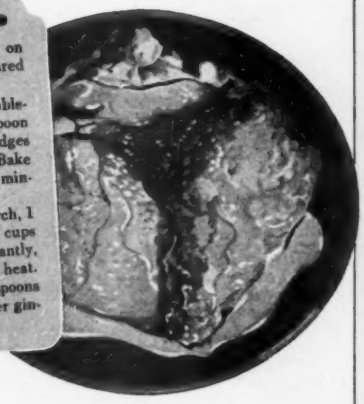
When done, each serving will contain delicious lemon custard at bottom, tender lemon spongecake at top! Grand, hot or cold. Serves 6.

Apple Dumplings with Lemon Sauce

Peel and core 4 large or 6 small apples. Place on squares of rolled pie crust dough made with prepared mix. Follow instructions on package.

In center of apples put 2 tablespoons sugar, 1 tablespoon lemon juice, ¼ teaspoon cinnamon, ½ teaspoon grated lemon peel and ½ teaspoon butter. Moisten edges of dough. Fold over apple. Pinch seams together. Bake in hot oven (450°) for 10 minutes and 350° for 30 minutes longer or until apples are done.

LEMON CLEAR SAUCE: Mix 3 tablespoons cornstarch, 1 cup sugar. Add 2 teaspoons grated lemon peel, 2 cups cold water. Cook over direct heat, stirring constantly, until clear and slightly thickened. Remove from heat. Add ½ cup fresh Sunkist lemon juice, 4 tablespoons butter. Serve hot over dumplings. (Swell, too, over gingerbread or cupcakes!)



Lemon Crunch Ice Cream

Combine 2 cups milk, 1 cup sugar, ½ cup fresh Sunkist lemon juice and 1 teaspoon grated lemon peel. Freeze until firm.

Beat 2 egg whites to a meringue with 2 tablespoons sugar. Whip 1 cup whipping cream. Remove frozen mixture to a chilled bowl. Beat until fluffy. Fold in meringue and whipped cream. Add ½ cup crushed lemon drops or peanut brittle. Return to tray. Freeze to ice cream consistency. Serves 6.

Good ideas from the Sunkist Kitchen

BE KIND TO VEGETABLES!

They respond to good treatment. Don't drown them in a lot of water! Cook only until tender. Then recapture their fresh taste by squeezing a little fresh lemon juice over them, in the kitchen or at the table.

Lemon juice gives a magic lift to almost all vegetables, and especially carrots, beets, cabbage, spinach, broccoli, cauliflower, asparagus.

Try it on the vegetables you serve tonight.

KNOW WHY TEA *NEEDS* LEMON?

Next cup you drink you can *see*. As you add the lemon, the tea will turn from brown to clearest amber. That change means any bitterness is gone and the true *tea* flavor has come to life!

FRESH LEMONS PROVIDE VERY SPECIAL HEALTH VALUES

Fresh lemons not only supply valuable amounts of vitamin B_1 but also the rare vitamin P, and are among the *richest known sources* of vitamin C. Essential for youthful energy, sound teeth and gums, vitamin C is absent from most foods, scarce in most others. *You need it daily.* Fresh lemons are *important to health.*

LIKE PRUNES—DRIED FRUITS?

If you do, you will like them *better*, cooked this way. If you don't—cooked this way you'll *like* them!—

Simmer prunes and other dried fruits slowly until tender, in a small amount of water, with *three or four slices of fresh Sunkist Lemon.*

Slow simmering brings out the fruit sugars of dried fruits (you won't need to add sugar). The lemon makes them remember their tree-ripe flavor.

For the best lemons, get Sunkist in trademarked wrappers. Finest from 14,500 cooperating California and Arizona citrus growers.

For scores of wonderful new recipes, and ideas that make good foods better and housekeeping easier—**send for that famous Sunkist Lemon Recipe Book.** Free. Just write Sunkist, Sec. 5202, Box 2706, Terminal Annex, Los Angeles 54, California.

Fresh California
Sunkist Lemons

Chocolate Lovers! Betty Crocker's NEW Chiffon!

RECIPE

FUDGE CHIFFON CAKE

Made the Betty Crocker way with light, delicate Wesson Oil*

Preheat oven to 325°. Mix ¾ cup boiling water with ½ cup cocoa. *Cool.*

STEP 1 Measure (level) and sift together
- 1¾ *cups sifted Softasilk cake flour (spoon lightly, don't pack)*
- 1¾ *cups sugar*
- 3 *tsp. baking powder*
- 1 *tsp. salt*

Make a well and add in order
- ½ *cup Wesson Oil*
- 7 *unbeaten egg yolks (medium)*
- *the cooled cocoa mixture*
- 1 *tsp. vanilla*
- ¼ *tsp. red coloring (optional)*

Beat with spoon until smooth.

STEP 2 Whip to form *very stiff* peaks.
- 1 *cup egg whites (7 or 8)*
- ½ *tsp. cream of tartar*

Do not underbeat. Beat stiffer than for angel food or meringue.

STEP 3...Pour Wesson Oil mixture gradually over whipped egg whites, *gently* folding with rubber scraper just until blended. DO NOT STIR. Pour immediately into ungreased 10-in. tube pan, 4-in. deep. Bake 55 min. at 325°, then 10 to 15 min. at 350°, or until top springs back when *lightly* touched. Immediately turn pan upside down, placing tube-part over neck of a bottle. Let hang, free of table, until cold. Loosen sides and tube with spatula. Turn pan over; hit edge sharply on table to loosen. 16 to 20 servings. Extra luscious with...

• • •

FUDGE ICING: Melt 3 oz. of unsweetened chocolate and 3 tbsp. vegetable shortening (such as Snowdrift) or butter, over hot water. Stir 2 cups sifted confectioners' sugar and ½ tsp. salt into 5 tbsp. *hot* milk. Add melted chocolate, beat well. Add 1 tsp. vanilla. Add 1 more tbsp. hot milk if needed.

**Of General Mills, Inc.*

What does so much to make the new Chiffon Cakes so angel-light, yet so moist and rich? Light, dainty Wesson Oil, the Chiffon Cake shortening used by the experts. And what brings out the fresh flavor of salads? Your home-made Wesson Oil dressing. With Wesson Oil, foods are *flavor-safe.* For salads *and* cooking—bring out the *best* flavor with America's favorite Salad Oil!

Wesson Oil FOR SALADS & COOKING

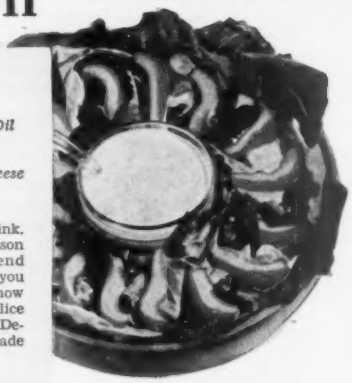
RECIPE

BLUSH-PEAR SALAD

Creamy Cheese Dressing!

- 6 *canned pear halves, pear syrup and red coloring*
- ½ *tsp. salt*
- *dash pepper*
- 1 *tsp. sugar*
- ⅓ *cup Wesson Oil*
- 2 *tbsp. lemon juice*
- 3 *oz. cream cheese*
- 1 *tbsp. milk*
- *salad greens*

Color syrup red; soak pears until pink. Drain and chill. Add seasonings to Wesson Oil and lemon juice; beat well. Blend cheese and milk till creamy; beat as you add Wesson Oil dressing. Taste! See how delicate Wesson Oil *plays up* flavor. Slice pears lengthwise; arrange on greens. Delicious, with this creamy dressing made with America's favorite salad oil!



WANT 218 RECIPES? Get new Wesson Oil and Snowdrift cook book "How to Win Compliments." 100 pages, many full-color photos. Send name, address and 25c in coin to Wesson Oil & Snowdrift, New Orleans 12, La.

Do you serve

Spanish Liver. Liver slices are browned first, then bubbled gently in a sauce of onion, green pepper, and tomatoes. It takes an hour

Dinner Ring. Country sausage and ground, cooked liver are mixed with crumbs, seasoned with onion and horse-radish, baked in a mold

Photographs: Wesley Bowman

French-Fried Liver. One of the easiest ways to fix liver. You cut it in strips, shake it in a sack of seasoned flour. Then fry in deep hot fat

LIVER often enough?

By Mary Lawton Wright

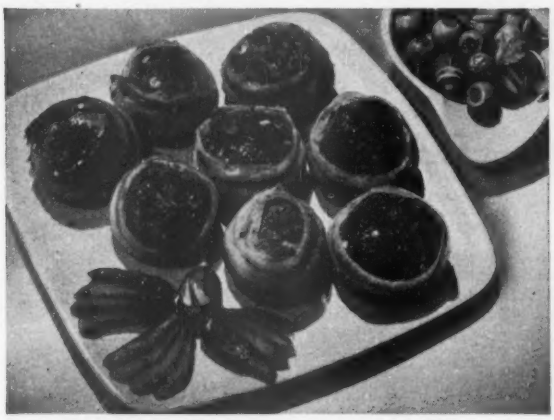
NUTRITIONISTS suggest you serve liver once a week. Here's why:

Liver is the richest of all foods in iron. A serving of beef liver gives you nine-tenths of your day's requirement. Pork liver has almost twice the daily need, calves' liver one-third.

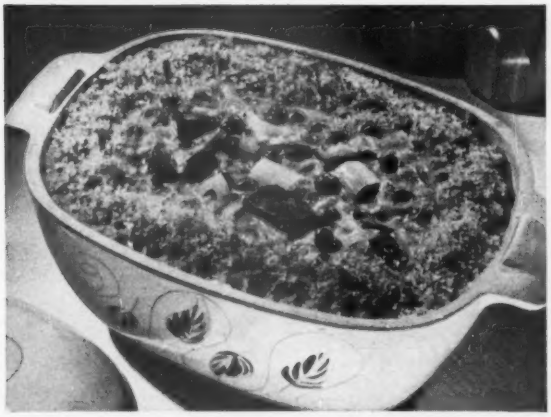
Liver gives you more Vitamin A in a serving than you require for a day. Liver scores well in Vitamin B_1, too. And it furnishes the new Vitamin B_{12}, just discovered last year. Vitamin B_{12} is the substance essential to preventing and curing anemia.

The question: How to fix liver so your family will eat it and ask for seconds because it tastes *so good*. Here are five answers. Each answer is a main dish for dinner.

Recipes on next page



Liver Patties are cooked in skillet or broiler. They're tender, moist, slyly seasoned with onion. Wrap each liver patty with a strip of bacon



Liver-Vegetable Casserole is browned liver slices, rice, onion, celery, and mushroom soup. Its top is buttered crumbs and cheese

The Pride and Joy of Happy Millions!

Almost every woman falls in love with Revere Ware on sight. It is so rich looking, so beautifully designed. But the real joy comes when you first try these Copper-Clad Stainless Steel utensils. Revere "waterless" cooking seems to make foods taste so much more delicious while retaining their precious vitamins and minerals. Revere utensils are so easy to use—they save time and fuel because they heat up so quickly and evenly—they need so little watching—they're so easy to keep looking ever-new.

The purchase of Revere Ware is a good investment no matter what your budget may be, for the extra-thick copper bottom makes it practically indestructible. (We have never heard of a piece of Revere Ware wearing out.) There's a complete line which includes skillets, sauce pans, double boilers, sauce pots, Dutch ovens, coffee percolators. Truly, Revere Ware is just what you want. Buy it. To make sure you get it, look for the trademark in the thick copper bottom.

REVERE COPPER AND BRASS INCORPORATED
Rome Manufacturing Company Division
Rome, New York

Packed with Nourishment and Flavor...

SUN-MAID RAISIN Bran Muffins

BRING ON ALL-BRAN MUFFINS for breakfast and you make a hit with everybody! Use your own recipe, adding ½ cup Sun-Maid Raisins (Seedless Nectar or Seedless) for each cup of All-Bran.

Fresh, sugar-saving Sun-Maid Raisins have a wonderful way of pepping up muffins, low-cost desserts and other economy dishes! Rich in iron, calcium and phosphorus, Sun-Maids add nourishment as well as flavor to your meals. Buy a box today — for cooking, baking and good eating!

FREE Recipe Book!

For your 32-page book of delicious economical raisin recipes, write Sun-Maid Raisin Growers of California, Dept. BH-17, Fresno, Calif.

FIRST CHOICE for FLAVOR and ENERGY

BETTER HOMES & GARDENS

"It is SO more sanitary to let the air dry the dishes!"

Serve liver

Begins on page 92

Spanish Liver

3 slices bacon	2 cups thinly sliced onion
1 pound liver	¾ cup diced green pepper
1 teaspoon salt	1 No. 2 can (2½ cups) tomatoes
¼ teaspoon pepper	

Dice the bacon and fry until crisp. Season the liver with salt and pepper, dredge with flour, if desired, and brown in the bacon fat; turn several times. Remove liver from the skillet; add the thinly sliced onions and green pepper, and cook until tender. Add tomatoes and liver. Cover; cook over low heat about 45 minutes. Uncover, increase heat, and evaporate the liquid until a consistency of a thick gravy; or add enough flour, if desired, to thicken the liquid slightly. Add salt and pepper to taste. Serves 5. It's the long, slow cooking that makes the liver so deliciously tender.

Dinner Ring

1 pound liver (beef, calves', pork, or lamb)	2 tablespoons horse-radish
1 pound well-seasoned pork sausage	1 tablespoon grated onion
2 tablespoons chili sauce	2 beaten eggs
	2 cups dry bread crumbs
	1 cup water

Cover liver with hot water; cover and simmer 5 minutes. Put through food grinder, using fine plate. Add remaining ingredients; mix thoroughly. Fill well-oiled 8½-inch ring mold. Bake in moderate oven (350°) 1 hour. Serve with chili sauce. Serves 8.

French-Fried Liver

1 pound calves' liver, sliced ⅜ inch thick	1 teaspoon salt
½ cup enriched flour	⅛ teaspoon pepper

Cut liver into strips ⅜ to ½ inch wide. Combine flour, salt, and pepper, and place in a paper sack. Add liver strips, a few at a time, and shake gently to coat liver thoroughly with flour. Fry in deep hot fat (360°) until browned. Drain on paper towels. Serve with chili sauce. Serves 5.

TUNA FONDUE

Easy to Make... Easy to Take!

You can put this tasty main dish together in just 10 minutes ... pop it into your oven for an hour ... and it's ready! For milder, more delicate flavor, be sure to use Star-Kist Tuna — either *New Chunk Style* Grated or Fancy Solid Pack. Such delicious flavor is found only in the smaller, better-tasting tuna — the only kind packed under the Star-Kist brand!

TUNA FONDUE

5 slices bread
1 7-oz. can Star-Kist Fancy Solid Pack (or *New Chunk Style* Grated) Tuna
½ cup (¼ lb.) grated Cheddar cheese
3 eggs
2 cups milk
1 teaspoon salt

Trim crusts off bread and cube. Cover bottom of greased 1½ quart casserole with a layer of bread cubes. Drain oil off tuna and flake on top of bread layer. Sprinkle with cheese. Add the remaining bread cubes. Beat eggs, add milk and salt. Pour over the tuna mixture. Bake in 325° F. oven for one hour, or until done. Serve with mushroom sauce if desired. Serves 6.

FREE TUNA RECIPE BOOK

Economical, kitchen-tested tuna recipes. Colorful, 24-page booklet! Write: Star-Kist Tuna, Terminal Island, Calif., Dept. 32.

Guaranteed by Good Housekeeping

Solid Pack or *Chunk Style* Grated ... Star-Kist quality is the same!

Liver Patties

1½ pounds liver	⅛ teaspoon pepper
½ cup minced onion	2 tablespoons enriched flour
2 well-beaten eggs	8 slices bacon, partially cooked
¾ teaspoon salt	

Cover liver with boiling water and simmer 5 minutes. Grind and combine thoroughly with all ingredients except bacon. Shape into 8 cakes and wrap a slice of partially cooked bacon around each; fasten with a toothpick. Cook in a skillet over low heat or in broiler until brown on both sides. Makes 8 cakes.

Liver and Vegetable Casserole

4 slices bacon	1 10½- or 11-ounce can cream of mushroom soup
1 pound liver, thinly sliced	½ cup peas or Lima beans
1½ cups sliced onions	1 cup milk
¾ cup sliced celery	1 cup grated American cheese
2 cups cooked rice (½ cup uncooked)	½ cup buttered crumbs

Cut bacon in small pieces; fry to a delicate brown and remove from pan. Dredge liver in seasoned flour (½ cup flour, 1 teaspoon salt, ⅛ teaspoon pepper); brown in the bacon fat and remove. Cook onion and celery in the fat until golden. Add bacon, liver, rice, soup, peas, and milk. Mix well and heat to boiling. Stir in ⅔ cup of the grated cheese and add salt to taste. Pour into a well-oiled 2-quart casserole. Top with buttered crumbs. Sprinkle with remaining ⅓ cup grated cheese. Bake in moderate oven (350°) 20 minutes. Serves 6.

Recipes from Hawaii

Begins on page 62

Let's start with the shrimp you saw served in the big clamshell on page 62. They can be prepared a little ahead of time and kept hot in the oven. They're better served immediately; but unless you have someone to stay in the kitchen and cook them, you'd better resort to the oven treatment. Be sure to put them right into a hot oven, and don't cover them. So they won't steam and lose their crispness.

French-Fried Shrimp

1 cup enriched flour	1 cup ice water
½ teaspoon sugar	2 tablespoons melted fat or salad oil
½ teaspoon salt	2 pounds fresh uncooked shrimp
1 egg	

Combine all ingredients, except shrimp; beat well. Peel shell from shrimp, leaving last section and tail intact. Cut slit through center back, without severing either end; remove black line. Dry shrimp thoroughly; dip in batter, holding the shrimp by the tail. Fry in deep hot fat (375°) until golden brown. Drain on absorbent paper. Serves 6 to 8 as a main course or 12 to 16 as hors d'oeuvres.

Serve shrimp in a big clamshell

[*Turn to page 189*

M-m-m... So Fresh! M-m-m... So Tasty!
Everyone loves Jane Parker Donuts! Such tempting flavor! Such plump, golden tenderness! And you *know* they're fresh . . . dated fresh* daily. No wonder over 2 million are enjoyed every day.
*Remember, when freshness fades, flavor fades.
DATED FRESH DAILY . . .
Jane Parker
DONUTS
PLAIN OR SUGARED
AT ALL A&P STORES...EXCEPT ON PACIFIC COAST
MADE BY THE BAKERS OF QUALITY-RICH MARVEL BREAD
A&P
1859 · 1949
90th YEAR OF SERVICE

Rolls—

ROLLS sweet and spicy, piping hot—folks just can't resist them. Bring them to the table hot as the oven.

Have a hard time keeping up with your family's appetite? These rolls are quick and easy to make. They take only half as long to make as ordinary rolls. You don't knead them at all. Just combine, roll out, shape, let rise once, and bake. Recipe is on page 98. Pictures show three kinds of rolls that are simple to do and fun to serve.

Butterfly Rolls

1 Let dough rest 10 minutes. Then roll into 10- by 15-inch rectangle. Brush with 2 tablespoons softened butter. Sprinkle with ½ cup brown sugar, 1 or 2 teaspoons cinnamon, and ¼ cup raisins. Roll. Cut in 1- to 1½-inch slices. Press handle of spoon down center of roll

2 Place rolls, creased side up, in greased 8-inch baking pan so they nearly touch. Cover and let rise in warm place till double. Bake in moderate oven (350°) 25 minutes. Remove from pan. Spread rolls with this icing—¼ cup sifted confectioners' sugar blended with 2 to 3 tablespoons cream

Fan Rolls

1 Let dough rest 10 minutes. Roll into a 12- by 16-inch rectangle. Cut in half lengthwise to make two 6- by 16-inch strips, as shown in picture. Spread filling down the center of each strip. **Filling:** ½ cup sugar, 1 slightly beaten egg, and 1 cup finely chopped almonds. Fold edges of dough over the filling. Pat to flatten

2 Cut each long roll into four 4-inch rolls. Cut 5 gashes in each roll, as we have in photograph. Spread sections apart to form fans. Brush tops with egg white. Sprinkle with 2 tablespoons chopped almonds. Press nuts into dough. Cover and let rise in warm place till double. Bake in moderate oven (350°) 25 minutes

sweet and hot!

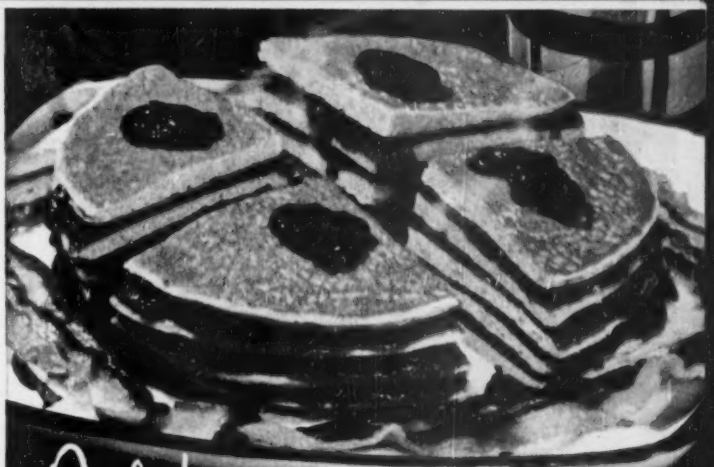
New rolls that take no kneading

By Tasting-Test Kitchen Staff

3 Hot Butterfly Rolls, topped with creamy icing, filled with raisins, sugar, and spice. They call for coffee. So make a big pot and have it ready the minute the rolls come out of the oven. These would be a good idea for a party luncheon—serve them with a fresh-fruit salad plate

3 Fan Rolls, golden brown, a little crusty, dotted with toasted almonds. Wonderful for breakfast, with a big salad at lunch, or with tea or coffee

More pictures on next page



Quick as a wink . . .
Light as a feather!

Quick to make . . . only a few swift minutes by the kitchen clock! Just open the package, add milk, and griddle 'em. *Easy!* **Light to eat** . . . and *such* eating! Golden-brown pancakes or waffles drenched with butter and a spill of syrup . . . and only a few cents a serving!

Quick-Light
PILLSBURY PANCAKES
PLAIN OR BUCKWHEAT

JELLY-MASTERPIECE!

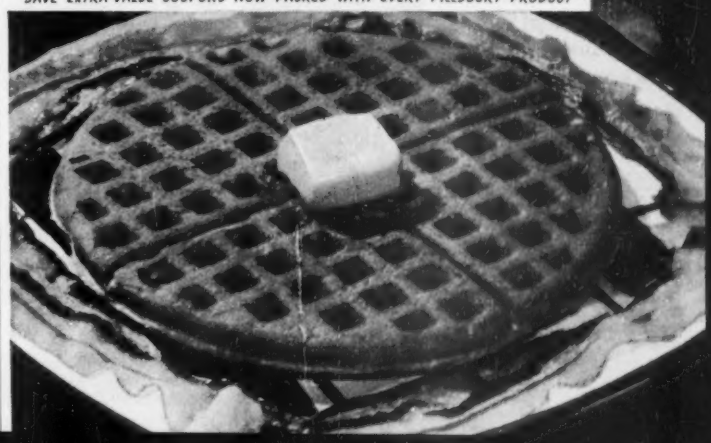
A couple of easy extra touches in the making of Quick-Light Pillsbury Pancakes give you this deluxe variation. Tempting, hearty, thrifty . . . an Ann Pillsbury idea that goes over big at either breakfast or lunch. Better hurry and get some Pillsbury Pancake Mix—how else could you brighten so many meals with so little effort? Don't forget . . . buy a package today!

Ann Pillsbury's JELLY PANCAKE WEDGES
Makes fourteen 4½-inch pancakes.

Blend together 2 cups **Pillsbury Pancake Mix**
1¾ cups **milk**
1 **egg**
2 tablespoons melted **shortening**

Bake. . . . . on hot, lightly greased griddle; turn only once. Spread with jelly or jam; stack in layers of four and cut into wedges for serving.

SAVE EXTRA-VALUE COUPONS NOW PACKED WITH EVERY PILLSBURY PRODUCT



Now! All ready to Serve

Choicest Mushrooms Broiled in Butter!

Save Time and Money
with B in B
Broiled in Butter Mushrooms.
Packed 3 ways
for every mushroom use!

WHOLE CROWNS add zest to steaks, chops, meat patties.

Use CHOPPED for spaghetti sauce, meat loaf, soups.

SLICED CROWNS are wonderful in chicken à la King, with peas.

B in B Mushrooms give you that delicious broiled in butter mushroom flavor!

B in B Mushrooms are choicest hothouse mushrooms—picked when their flavor reaches perfection. They're especially prepared, broiled to a rich brown color, and then packed in their own luscious broth.

So economical. *No peeling—no trimming—no waste!*
B in B Mushrooms are all ready to heat and serve.

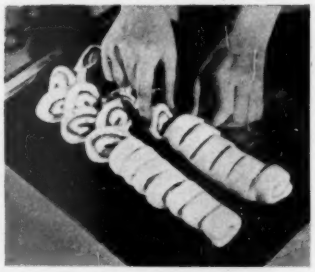
You will enjoy all 3 styles of B in B Broiled in Butter Mushrooms!

Rolls—sweet and hot!

Begins on page 96

Curlicue Rolls

1 Divide dough in two parts. Let rest 10 minutes. Roll each part into rectangle about 8 by 11 inches. Add ½ cup ground figs and ¾ teaspoon grated lemon peel to ½ cup boiling water. Combine ¼ cup sugar, 1 tablespoon flour, and 1 tablespoon hot mixture. Stir into remaining hot mixture. Cook 5 minutes. Cool; spread on dough. Roll and snip as shown in picture, left



2 Turn end slice from one roll toward center. Then turn end slice from other roll toward center. Continue alternating in two-way braid fashion as we are doing in photograph. Cover and let rise in warm place till double. Bake in moderate oven (350°) 25 minutes. When rolls have cooled slightly, glaze them with thin confectioners' icing

3 Curlicue Rolls, spiraled with fruity fig filling, look like a braided coffeecake. Make coffee or put out milk pitcher. It's every man for himself

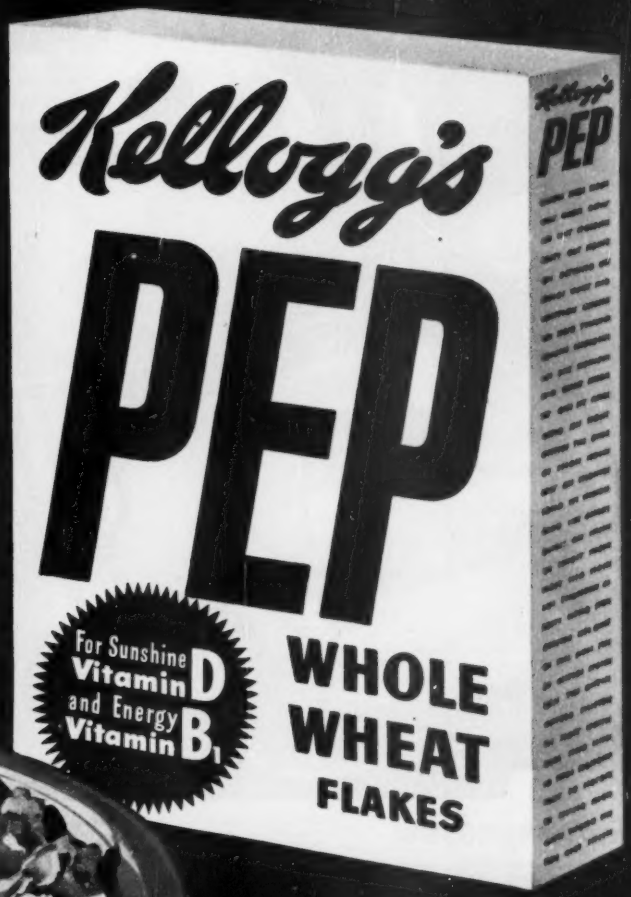
Basic No-Knead Roll Recipe

½ cup milk, scalded
2 tablespoons shortening
¼ cup sugar
1 teaspoon salt
1 cake fresh or 1 package granular yeast
¼ cup lukewarm water
1 beaten egg
½ teaspoon grated lemon peel
2½ cups enriched flour

Combine milk, shortening, sugar, and salt; cool to lukewarm. Add yeast softened in lukewarm water; add egg and grated lemon peel. Gradually stir in flour to form soft dough; beat vigorously. Do not expect a stiff dough. If desired, place dough in greased bowl, cover, and store in refrigerator 2 or more hours. Or turn out on well-floured surface. Let rise 10 minutes. Shape rolls according to step-by-step picture directions on page 96 and above. Cover and let rise in warm place (80° to 85°) until double. (Allow about 1 hour rising time for unchilled dough and about 1½ to 2 hours for chilled dough.) Bake in moderate oven (350°) 25 minutes. Makes 8 to 10 rolls.

Butterfly Rolls and Fan Rolls are on page 96. Curlicue Rolls are above. See step-by-step pictures.

"U-M-M-
STEALING
MY STUFF!"



YOURS—in one ounce of Sunshine PEP . . . the day's need of Sunshine Vitamin D and Vitamin B1—toward a brisk morning start . . . *plus* the goodness of toasted whole wheat flakes! Get your PEP in the Regular Size!

Choose the one you love the best! Kellogg's Corn Flakes, Rice Krispies, Pep, Shredded Wheat, Krumbles, Bran Flakes, Corn-Soya.

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The favorite assortment, because . . .

Kellogg's

MOTHER KNOWS BEST!

Easy Recipe

Fruit Meringue Squares

Fruit cocktail makes party dessert of yesterday's cake!

2 egg whites
Few grains salt
¼ cup granulated sugar
6 3-inch squares plain cake
2 cups drained canned fruit cocktail
Whipped cream for garnish

Beat egg whites with salt until stiff but not dry. Gradually beat in sugar. Spread top and sides of cake squares with meringue, building up sides slightly. Bake in slow oven (300 degrees F.) 20 minutes or until lightly browned. Cool. Heap well-drained fruit cocktail on top of meringue. Garnish with whipped cream if desired. Serves 6.

Fruit for dessert (below): wonderful way to top off a hearty meal or party-up a simple luncheon. Just open a can of cool, luscious fruit cocktail...and serve! No peeling, dicing, mixing. The work's all done, and you've never tasted a more superb blend of fruit flavors. Rich, golden California cling peaches, pineapple, pears, cherries, grapes. Five delicious fruits, best known as a "first course" but now used in dozens of new and different ways:

As fruit sauce on waffles, thrifty puddings, cake, cereals, ice cream. In tarts, pies, cobblers, gelatin molds, salads. For basting ham. Next time the recipe calls for fruit, try canned fruit cocktail. It's five times more tasty!

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Check the label—Choose your favorite brand of

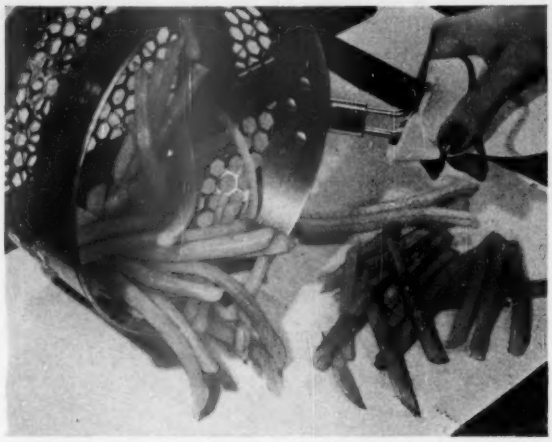
Canned Fruit Cocktail from California

In glass or tin • wide variety of can sizes

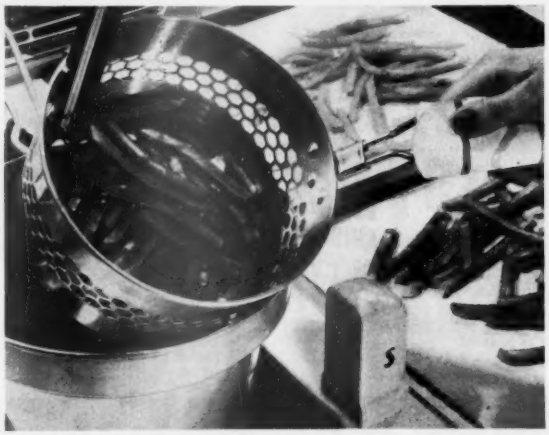
Twice-cooked—that's the trick

THERE'S a trick to fixing French fries, to making extra-creamy Divinity, fancy Soufflé Potatoes, Crème Brulée (the famous French dessert), and main-dish Eggs Mollet. The trick is double-cooking. Watch us make these five recipes in the pictures below and on pages 102 and 104.

Cook tender, cook crisp—French Fries



1 Fry potatoes first in deep fat heated to 350°. Cook till tender but not brown. Drain on paper towels. This step can be done hours ahead. To prepare potatoes for frying: Cut lengthwise in ⅜-inch-thick strips. Dry between paper towels



2 Just before serving time, have fat heated to 390°. Fry potatoes from Step 1, above, till crisp and golden brown. Drain on paper towels; salt. Two-step French fries save time when it's needed most—in the last flurry of meal-getting

More on page 102

Upside down . . . and downright good

KARO* Syrup makes these breakfast, lunch and dinner treats downright good. KARO glorifies their appetizing appearance . . . emphasizes their delicious flavor.

KARO, Blue Label, blends superbly with fruits and spices . . . gives the Upside Down Cake and Cinnamon Rolls a delicious glaze. KARO, Red Label, points up the delicate flavor of the Orange Rolls. To convenient "ready mixes", or your own recipes for quick breads and rolls, KARO adds extra nourishment.

THE KARO KID

PRUNE-APRICOT UPSIDE DOWN CAKE

Combine first three ingredients of Cinnamon Roll recipe in 9 x 9 x 2½-inch pan and arrange 20 each drained, stewed prune and apricot halves. Use 1 package prepared cake mix according to package directions; pour over syrup-fruit mixture. Bake in moderate oven (375°F.) 45 to 50 minutes. Let cool in pan about 2 minutes; then invert on plate or rack. Serve warm, plain or with whipped cream.

CINNAMON ROLLS

- ½ cup KARO Syrup, Blue Label
- 2 tablespoons melted butter or margarine
- ¼ cup brown sugar, firmly packed
- 1 package hot yeast roll mix
- 2 tablespoons melted butter or margarine
- 2 tablespoons sugar
- 2 teaspoons cinnamon

Combine first three ingredients in large skillet. Prepare hot yeast roll mix according to package directions. When dough has risen, roll into rectangle ⅛ inch thick. Spread with mixture of melted butter, sugar and cinnamon. Roll as for jelly roll; cut into 12 slices. Place, cut side up, on top of syrup mixture. Cover and let rise until double in bulk. Bake in moderate oven (375°F.) about 35 to 40 minutes. Invert pan immediately. Serve hot.

ORANGE ROLLS

Combine ½ cup KARO Syrup, Red Label, ¼ cup sugar and 2 tablespoons butter or margarine; divide equally into 12 greased muffin or cup-cake pans. Mix together lightly ⅔ cup milk and 3 cups prepared biscuit mix; roll into rectangle ⅛ inch thick. Spread with filling made with 2 tablespoons each melted butter, and sugar, and 2 teaspoons grated orange rind. Roll as for jelly roll; cut into 12 slices. Place each slice, cut side up, in muffin or cup-cake pans. Bake in moderate oven (375°F.) about 30 to 35 minutes. Remove from pans immediately. Serve hot.

KARO is available in 1½, 5 & 10 lb. sizes.

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Get fixed to mix... IN SECONDS!

...IN A St. Charles KITCHEN

CUSTOM BUILT FOR YOU!

READY FOR ACTION

In this kitchen, see how everything is planned to save minutes and make things easy. The mixing area is ready for action in seconds...everything within reach on opening a door or drawer. The mixer flips up from its storage cupboard with an easy pull. The range is just a step or two away. Note the continuous counter.. the curved end unit... the snack bar which can also be used for service to the dinette. These are the marks of custom building ... the details that make the kitchen. Other St. Charles features in this kitchen include the towel drier with heater and blower, vegetable and fruit storage unit, base sliding shelves and tray storage unit.

● In fact, you save minutes and steps in everything you do in the kitchen—preparing, cooking, serving, cleaning up—if your kitchen is designed for your room...to your needs...then built to order exactly as required. If you are budget conscious, and most of us are, the words "custom building" need not alarm you. Everything considered, a St. Charles Steel Kitchen costs no more and can be adapted to a room of any size or shape. You get years of service with little or no upkeep cost, besides having, right now, the kitchen you really want. Call your St. Charles dealer. He is a factory-trained kitchen specialist. Let him design your kitchen and submit an estimate. Then compare what it gives you in convenience, in beauty, in intelligent planning, with any other kitchen made. If you do...you will choose St. Charles.

Below, see how the mixer is stored. Pulls out, like a typewriter, when it is needed.

SEND FOR THIS COLORFUL BOOK

"Your Kitchen . . . and You"—showing color photographs of many St. Charles Kitchens as well as pictures of all units and accessories. Tell us if you plan to build or remodel soon. Enclose 10c to cover postage to St. Charles Manufacturing Co., 1689 Dean St., St. Charles, Ill.

St. Charles

THE *QUALITY* NAME IN KITCHENS

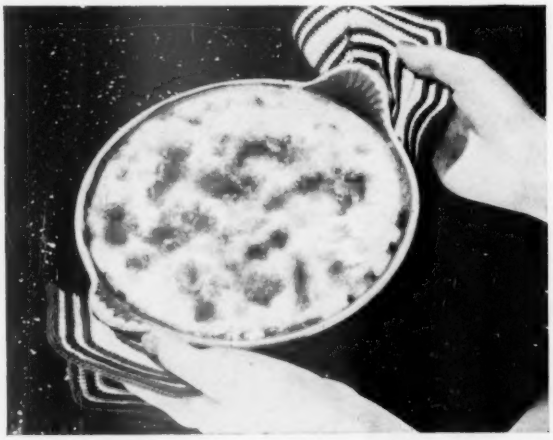
Twice-cooked—that's the trick

Begins on page 100

Make custard, broil—Creme Brulee

1 Make a soft custard: Beat 4 egg yolks, 1/4 cup sugar, and a few grains salt. Stir in 2 cups scalded cream. Cook over hot, not boiling, water until mixture coats spoon, stirring constantly. Cool. Add 1 teaspoon vanilla. Chill in 8-inch round baking dish. An elegant chef's-style dessert you can do at home

2 Two hours before serving. sift 3/4 cup brown sugar or maple sugar over custard. Set in pan; surround with ice cubes. Broil about 4 minutes. Custard has a bubbly brown crust. Now it goes back to refrigerator to chill till time to serve. Try it over peach slices. Or serve it as is. Elegant is the word for it



More on page 104

New glory for you — with America's Luxury Ham!

Glorious Flavor! Each and every Armour Ham is *hand-picked from thousands* for perfect quality.

Then *mild sugar-cured* and *tender-smoked* over hardwood and hickory fires.

This gives every slice of it so much more fragrance and flavor that folks will praise your cooking to the skies with each sweet and tender taste.

That's why there's glory for you—*new* glory—in America's Luxury Ham. Try it soon—like this:

Place two ½" slices of Armour Star Smoked Ham on a rack, 3½" below the pre-heated broiler unit. Broil 5-6 minutes to the side, turning once. (Pan-broil *slowly*, if you prefer.) Garnish platter with Lemon Cups filled with whole cranberry sauce. For other ham recipes, write Marie Gifford, Dept. 360, P.O. Box 2053, Chicago, Ill.

Tune in HINT HUNT—CBS Monday through Friday afternoons
STARS OVER HOLLYWOOD—CBS Saturday

The best and nothing but the best is labeled ARMOUR

"Our latch-string's out for Sunday Supper!"

Tomato bouillon **Stuffed olives in bacon** **RITZ CRACKERS**
Mushroom caps with shrimps **Frankfurters with cheddar cheese**

Gather your friends around the fireside for "something new" in *supper!* Serve soup in *mugs* and let them help themselves to hearty hot hors d'oeuvres and RITZ CRACKERS. Here's a sophisticated idea for a meal—and crisp, tangy RITZ CRACKERS make it click! Because no other crackers make soup or shrimp taste so zesty—are so delicious that folks eat 'em by *handfuls!* For hospitality with *cordiality*, serve RITZ CRACKERS *whenever* "your latchstring's out"!

NOTHING TASTES AS GOOD AS RITZ—BUT **RITZ!**

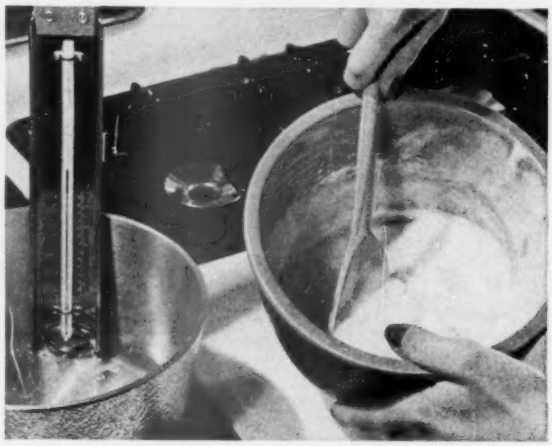
You buy the best when it's baked by Nabisco
NAtional BIScuit COmpany
NABISCO

Twice-cooked—

Continued from page 102

Cook soft-ball, then hard-ball—Divinity

1 Syrup's cooked first to soft-ball stage; part is added to egg whites; rest is cooked to hard-ball stage. Here's how: Put 2 cups sugar, ½ cup corn syrup, ½ cup water, and a few grains salt in saucepan. Stir. Boil gently to 240°. Gradually pour one-third of syrup over 2 stiff-beaten egg whites, beating constantly



2 Cook the rest of the syrup to 265°. Wipe off any sugar crystals on the sides of the pan. Beat syrup into candy mixture. Beat until mixture holds its shape. Add 1 teaspoon vanilla. Drop from teaspoon onto oiled cooky sheet. You make the peak with a swirl of the spoon. This double-cooked method of making divinity takes longer but it makes an extra creamy, fluffy candy

so glamorous... so versatile... so useful!

You've pictured your dream dinette. With CHROMCRAFT furniture it can be a reality within your budget!

Shown here in Contemporary surroundings is CHROMCRAFT'S A110 DINETTE SUITE. The table top, 42" x 30" closed, opens to 62" x 30" to accommodate eight; and is made of mar, scratch and burn resistant plastic. Gracefully styled chairs are richly upholstered in stain, fade and scuff-proof Masland Duran. Steel tubing is superbly chrome plated for years and years of service. So easy to care for, so easy to clean—just whisk over the table and chairs with a damp cloth!

The CHROMCRAFT sectional buffet consists of four, smart oak pieces, hand-rubbed to a neutral "gray-mist" finish—a chest, china and two commodes with doors upholstered to match the dinette. Here are pieces you can arrange and re-arrange!

The A110 SUITE adapts itself to any interior, from Cape Cod to California Informal; is available in a host of colors to harmonize with any color scheme . . . Red, Blue, Green, Tan and Yellow. See them at your favorite furniture or department store!

Above: A109 DINETTE SET . . . 30" x 30" closed, 50" x 30" open. Plastic top, upholstered in all-plastic Masland Duran. In Red, Blue, Green, Tan, Yellow.

Below: A121 DINETTE SET . . . 24" x 30" closed, 44" x 30" open. Plastic top, upholstered in all-plastic Masland Duran. In Red, Blue, Green, Tan, Yellow.

ILONA MASSEY, star of "LOVE HAPPY", a UNITED ARTISTS RELEASE

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Longer life for your home motors

Keep them clean and lubricated, inspect them regularly. That's how to avoid high repair bills ***By Ken Murray***

DO YOU take care of the small motors in your home? Or do you let them run until they break down, then have costly repair jobs done?

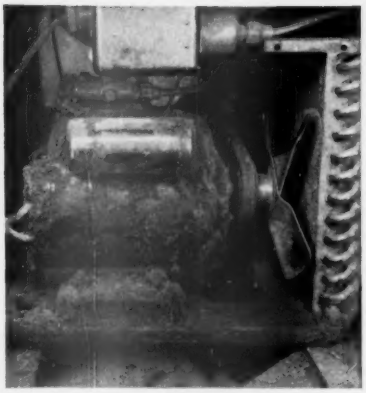
There are three basic rules for care of home motors:

1) Keep them clean.
2) Keep them lubricated.
3) Inspect them regularly, so you can spot trouble before it grows.

How often should you inspect motors? Motors receiving only periodic use, as on a vacuum cleaner or a mixer, need a complete annual inspection. Motors of electric fans, heating units, and refrigerators (except those sealed at the factory) can benefit from partial inspection once a month while in use, with a full inspection every year.

Watch any fixed motor's surroundings. Clean up trash that might fall into moving parts.

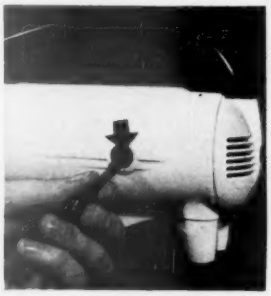
Most of the tips given here apply to small motors generally. As you check any motor, run through the entire group of photographs and disregard points which may not apply.



Cleaning of home motors is essential; this is what happens in a neglected refrigerator. Dust almost clogs ventilating ducts. This cuts efficiency, and dust drawn inside the motor will cause rapid wear

Photographs: Murray

Oiling of an open-type compressor motor in a refrigerator should be done twice a year, usually with lubricating oil of No. 10 viscosity. Fill oil cup or hole on front bearing (arrow) and oil tube leading to rear bearing. Clean motors with a dry cloth with a few drops of furniture polish on it. Dust condenser (right) every two months. You can clean or oil refrigerator motor without removing it from cabinet

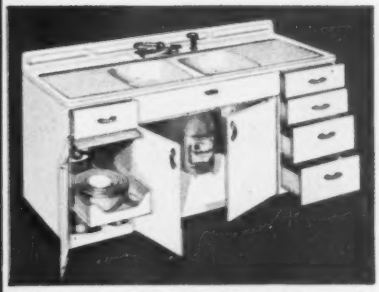


Oiling of small motors, as in this mixer, should be done at regular intervals with just one drop of oil in each oil hole (left). Don't squirt the oil from a can; use a medicine dropper. Inspect carbon brushes (arrow, right) which supply current to a revolving part. They gradually wear down. Usually there are two plugs, one on each side, which you can unscrew to inspect brushes. When a brush wears down near the spring, have serviceman put in new brushes

To check a motor, turn it on and look inside through ventilating holes (left). If you see sparks, the brushes and rotating commutator need to be adjusted. Also sniff for odor of scorched insulation (right). And listen for unusual noise. Either is a sign motor is in need of a thorough overhauling by a serviceman

More on page 109

New low-cost magic for your dream kitchen



66-inch Kitchenaider-Mullinaider combination is tops in value. Note twin-bowls and drainboards. Acid-resisting, porcelain enamel top. Ample work-space and storage; sound-deadened doors; handy cutlery drawer. Mullinaider electric garbage disposer makes it easy to fix meals and clean up after them. Fits all Kitchenaiders.

LET'S imagine this lovely Youngstown Kitchen is yours. (You know, *it can be!*)

And when it is, revel in this thought: You'll be free forever of the garbage pail and all its messiness.

The kitchen shown has a 48" Kitchenaider cabinet sink with a Mullinaider electric garbage disposer —Youngstown's newest kitchen magic. It grinds away your food scraps before they can accumulate, and whisks them safely down the drain.

And that's only *one* endearing quality of these lovely, white-enameled steel beauties. You've storage space galore, with everything right where you need it for fixing meals, washing dishes and clearing up.

The price? Remember this—every Youngstown Kitchen is an arrangement of *standard* units, produced by the world's *largest* makers of steel kitchens. That's why they cost so little!

Ask your Youngstown dealer to help you plan a kitchen suited to your needs—or to install a Mullinaider in the Youngstown Kitchen you may already own. If you're building, specify Youngstown.

MULLINS MANUFACTURING CORPORATION
WARREN, OHIO
World's Largest Makers of Steel Kitchens

Youngstown Kitchens
BY MULLINS

Grind away kitchen waste with the safe, sanitary Mullinaider! Garbage is washed down drain. No mess, no fuss. Ask for free home demonstration.

Dishwashing's easy with swinging faucet and speedy rinse spray that reaches all parts of acid-resisting, porcelain enamel sink-top. Fine for cleaning vegetables, too. See your dealer.

SEND COUPON TODAY!

GET THIS EXCITING BOOKLET!
20 pages featuring beautiful Youngstown Kitchens in color. Full details on Youngstown units and tips on arranging a new kitchen. Enclose 10c to cover mailing cost. No stamps, please.

Please send me your Youngstown Kitchen booklet. I enclose 10c in cash.

I plan to remodel ☐
I plan to build ☐
I want Free Home Demonstration of Mullinaider ☐

Youngstown Kitchens
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Dept. B-249, Warren, Ohio

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ADDRESS _____
CITY _____ ZONE _____
COUNTY _____ STATE _____ ★

To learn the name of a nearby dealer, call Western Union by number and ask for Operator 25.

a lesson in lighthearted housekeeping

Clock and calendar say Winter, but here's a room that sings of Spring! It's a Daystrom room—and wouldn't you know it, with that look of livable luxury! Such easy elegance too! The table top is Daystrom's own plastic, satin-smooth, but hankering for hard wear. Washable Duran upholstery, blossom-bright, is mounted on superbly styled *electroplated* chrome. (By the way, this hospitable table welcomes six, has an extension that zips in for a full foot of extra seating space.)

-it's DAYSTROM furniture!

Look at the cook's nook! It doubles as a dinette, a desk area, or a durable work table. Not even hot casseroles or acids can mar that bright beauty of the plastic table top. It swishes clean—in a jiffy—with a damp cloth. (So, by the way, will the chrome-plated surfaces!) All Daystrom furniture is designed for hard wear, easy care, and modern, lighthearted livability. At furniture and department stores everywhere. Be sure it's Daystrom. You can have Daystrom dinette sets from $49.95* to $149.50*.

Furniture for casual living—featured by stores from coast to coast

Daystrom Corporation, Olean, N. Y. • Daystrom Pacific Corporation, Pasadena, California

**Prices slightly higher in West and South.*

DAYSTROM

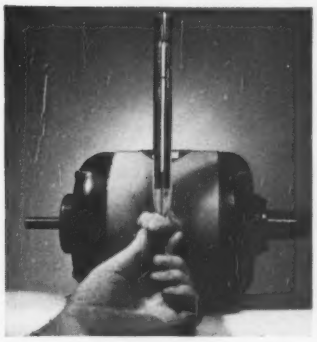
AN ASSOCIATE

Longer life for home motors

Begins on page 106

If your fan won't run, disconnect it and try turning blades by hand. If they turn easily, the trouble is probably electrical. Check the brushes for wear. A break in the cord may be responsible. Have a frayed cord replaced at once. If the fan is of the brushless, induction type, have a serviceman inspect the starting mechanism

If fan blades are difficult to turn by hand, a bearing probably needs oil. Also check to see if gears in oscillating mechanism are jammed; the gearbox cover (right) usually is easy to take off. Add gear grease recommended by the manufacturer when it is needed



Temperature of a motor working properly usually will not rise more than 100 degrees above temperature of the surrounding air. To check temperature, use a lump of putty to hold bulb of a cooking thermometer against hottest part of the motor you are checking

Check to see if there is up-and-down or side play of motor shaft. If there is, it may indicate worn bearings which need replacing. Worn bearings reduce the air gap between moving and stationary parts, and eventually will cause damage

More on page 111

Supersorb for Super-man!

For the world's most wonderful child (who but your own?) Pacific's most wonderful towel! These glistening, gleaming rayon beauties are soft as an eiderdown puff against baby's tender skin. And they'll absorb water in no time flat . . . get baby dry even

before he's stopped wriggling! Try some of these wonder rayon towels today. They'll be favorites with the whole family. Pacific Supersorb towels are always identified by the Pacific label.

Also see Pacific's all-cotton smart printed towels (florals, novelties, juveniles) and our solid-color beauties

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TERRY—100% VISCOSE EXTRA ABSORBENCY
BASE—100% COTTON FOR DURABILITY

Look for the Pacific label also on Pacific Balanced Sheets, Pacific Silver Cloth, and on men's, women's and children's wear of cotton or rayon

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There's a touch of gay, inviting charm about Canvas Awnings no other shade conditioner can achieve. Your home becomes a thing of pride and beauty... of cool, airy livability. Canvas Awnings lend their beauty and protection throughout the warm, sunny seasons of the year. They can easily be taken down during the cold, darker months when every ray of outdoor light is at a premium.

Your local awning dealer has a veritable rainbow of harmonizing colors from which to choose, and an infinite number of styles, designs and patterns to give full rein to your creative impulses. See him early in the season.

The Canvas Awning Institute is organized to marshal every resource of art, science and industry in making better fabrics, better awnings and better service available to home owners and commercial users everywhere. Better awning manufacturers and dealers all over the country are cooperating with The Canvas Awning Institute, Inc., in making America a pleasanter place in which to live.

THE CANVAS AWNING INSTITUTE, INC., AND NATIONAL COTTON COUNCIL

YOUR ASSURANCE OF BETTER FABRICS... BETTER AWNINGS... BETTER SERVICE

THE CANVAS AWNING INSTITUTE INC.

Longer life for home motors

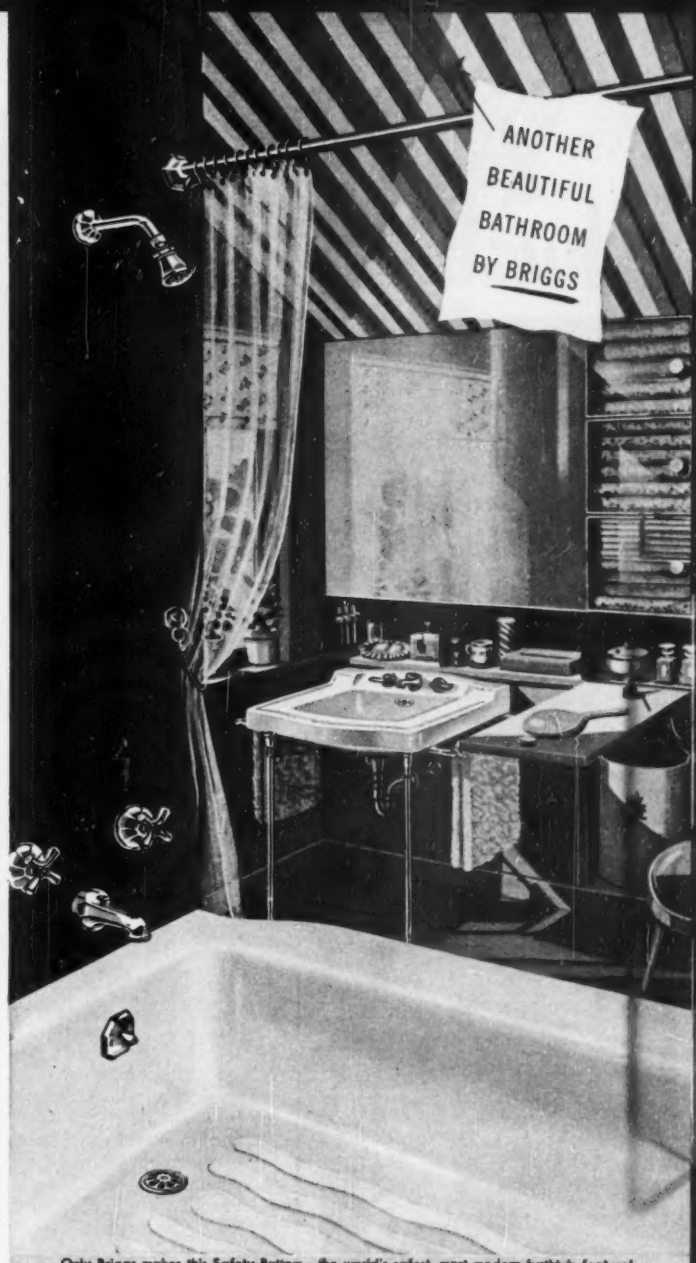
Continued from page 109

Motors with sealed bearings have no oil holes or cups. While such a motor is running, place your hand as pictured on the bearing housing. If there is vibration, it likely indicates damage which should be taken care of at once by an expert

Also look for the creeping of grease on the outside of sealed-bearing housings. Such leakage must be corrected before the bearing runs dry and is damaged by lack of lubricant

On a brush-type motor, loosening one screw will let you lift off a plate and examine a rotating part which the brushes contact. This part (arrow), the commutator, should be smooth and have a high polish. But the color need not be that of copper; it may range from copper to straw or even to a dark chocolate color. If commutator is grooved or pitted, however, you will need an overhaul job

If you see black discoloration on the commutator, tie a piece of clean, grit-free, lintless canvas to the end of a wooden stick. Use it to wipe off the discoloration while the motor is running. Keeping this part clean is essential for efficiency

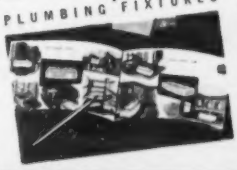


Only Briggs makes this Safety-Bottom—the world's safest, most modern bathtub feature!

Elegance under the eaves

You can have a *glamour* bathroom . . . even in the most unassuming space! Exciting use of color, drop-away dressing table, lucite shelf-doors—*all* add inches of importance. But the real stamp of "big bath" quality is in the fixtures . . . wonderful *Briggs Beautyware* fixtures! Super-smart, glistening and smooth—these exclusive Briggs plumbing fixtures look as though they cost a fortune. Yet they *don't!* Actually only Briggs gives you premium quality stainproof porcelain enamel and tarnishproof chromium plated fittings at *no premium price.* This not only saves you money and cleaning time, now . . . but assures *permanent beauty* for years to come! For more "bright ideas," write for free bathroom booklet. Briggs Manufacturing Company, 3007-B, Miller Ave., Detroit 11, Michigan.

BRIGGS
Beautyware
PLUMBING FIXTURES



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Your husband will love it!

...ADD COLMAN'S

Give Zip to his favorite salad dressing

Here's a quick easy way to give your favorite prepared salad dressing that extra tang and zip that men prefer. Blend 2 teaspoonfuls of Colman's (dry) Mustard with a little water. Then add it to an 8-ounce jar of dressing. Equally good with mayonnaise or French dressing.

THE FAMOUS DRY MUSTARD USED BY FINE COOKS EVERYWHERE

frankly fancy

Chocolate Nut Torte

THIS is a *glamour* dessert. You slice down through *four* layers of tender sponge cake and *four* layers of the same creamy chocolate frosting you see on the top and sides of the torte. Sides are crusty with nuts. Serve a cup of steaming coffee with each big wedge of Chocolate Nut Torte.

Cake:

5 eggs
2½ cups sugar
1 tablespoon butter or fortified margarine
1¼ cups milk, scalded
2½ cups cake flour
⅛ teaspoon salt
2½ teaspoons baking powder
1 teaspoon vanilla

Beat eggs until light. Gradually add 1 cup sugar, and continue beating; add remaining sugar and beat until light-colored and fluffy. Combine butter and hot milk; gradually add to egg mixture. Add sifted dry ingredients and vanilla. Mix well. Bake in two waxed-paper-lined 9-inch layer pans in moderate oven (350°) 30 minutes. Cool. Cut layers in half.

1 Bake cake (recipe left) in two 9-inch layers. Split each layer in half with sharp or serrated-edge knife. Brush off any loose crumbs—the cake is all ready to be frosted

Frosting:

2 cups milk
½ cup granulated sugar
½ cup enriched flour
¼ cup cocoa
⅓ cup cold milk
1 cup butter or fortified margarine
1 cup confectioners' sugar
2 teaspoons vanilla
1½ cups chopped California walnuts

Heat milk in double boiler. Combine granulated sugar, flour, cocoa, and ⅓ cup cold milk. Add to hot milk and cook over hot water until thickened, about 20 minutes, stirring constantly. Remove from heat; cover and *cool* to room temperature. Thoroughly cream butter and confectioners' sugar. Add to cooked, *cooled* mixture. Beat smooth. Spread between layers and on top and sides of torte. Decorate with chopped California walnuts.

More on page 114

2 Spread frosting (recipe left) between layers. Be generous. It's the cool, creamy chocolate frosting that gives the cake its good flavor. Step 3 shows how to decorate it

M-m-m-mm COMPANY HAM

WITH THAT FRENCH'S FLAVOR!

EASY! Wrap a tender smoked ham loosely in wrapping paper, place fat side up on rack in uncovered roaster. Add no water. Bake ham in moderate oven (325° F.), allowing 3½ to 4 hours for 10 to 12 lb. ham.

After baking ham, remove paper and skin. Score fat surface in squares. Spread with 4 tablespoons French's Mustard. Cover surface with 1 cup brown sugar mixed with 2 tablespoons flour. Stud squares with whole cloves. Bake in moderately hot oven of 400° F. 15 minutes or until golden brown. Serve with pineapple slices browned in ham liquor.

Ham Patties . . .
Chop leftover ham, combine with equal amount cold chopped boiled potatoes and shape into patties. Brown over low flame in 2 tablespoons of melted fat mixed with 1½ teaspoons of French's Mustard.

SMOOTHER CREAMIER

A blend of the finest spices and mustard seed money can buy

No wonder French's is the nation's favorite prepared mustard—it has just the right combination of zesty flavor and smoothness. It brings out *all* the good meat flavor—doesn't cover it up as cheap harsh mustards do. Serve French's Mustard with cold meats, too—use it in salad dressings and sandwich fillings. French's is so creamy it blends perfectly.

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He said it would be bright.

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Mom loves Windex too! She says
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Likes Windex 'cause it's *clean*.

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That's why they always ask the man
For handy Windex Spray!

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Get Brighter Windows Quicker With—

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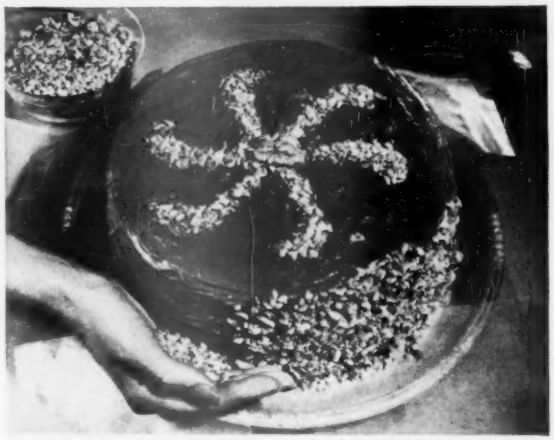
Costs only 15¢—even thriftier in the big 20-ounce size.

TUNE IN: DOROTHY KILGALLEN, Thursdays. See local paper for time and station.

Chocolate Nut Torte

Begins on page 112

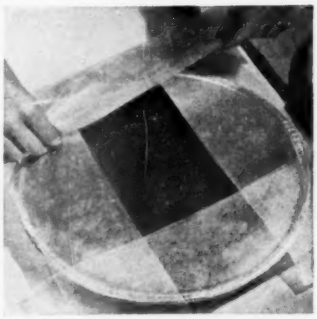


3 Spread the rest of the frosting on the top and sides of the torte. Make swirl design with chopped nut meats. Put a big walnut half in the center. Press finely chopped nut meats against side of torte with palm of hand. See "Smart Cook!" (below) for neat way to arrange on plate

SMART COOK!

Neat way to frost a cake

Place four strips of waxed paper over edge of cake plate as shown in this picture. Place cake on strips. Paper will catch surplus frosting as you work



When you're through frosting and decorating the cake, carefully remove four waxed-paper strips. You have a spotless plate. See also page 112

Look! "Pushbutton-Cooking" With The New HOTPOINT

Choose your cooking speed—then push the button. It's as simple as snapping on an electric light. Each cooking unit has its own set of pushbuttons—and a distinctive colored light shows you exactly what speed is on.

America's Leader Brings You a New Kind of Electric Range—and Far Easier, More Accurate Cooking!

ALL YOU DO IS PUSH A BUTTON! You'll be thrilled by the simplicity, the speed, the convenience, and above all the *accuracy* of "Pushbutton-Cooking" with the beautiful new Hotpoint Range.

● ● Hotpoint's new Pushbutton Panel gives you instant fingertip control for all kinds of cooking. Hotpoint's "Talking Color" Lights show you exactly what unit is on and at what speed. There's no groping, no guesswork—you're sure of the proper cooking temperature every time.

● ● And Hotpoint has packed 37 other wonderful features into this sensational new kind of range. Hotpoint's Hi-Speed Broiler cooks steaks for 12 in 10 minutes. Hotpoint's big Sealed-Heat Oven bakes more evenly, cleans more easily, holds more food. And Hotpoint's famous Calrod® Units give you instant, accurate, measured heat. Ask your Hotpoint dealer for a demonstration of this great new range.

HOTPOINT INC. (*A General Electric Affiliate*), **CHICAGO 44, ILL.**

Everybody's Pointing To

Hotpoint Automatic Electric Ranges

Photographs: Stanley

The African-violet's simple, unobtrusive beauty fits perfectly into any type of surroundings

It's easy to grow African-violets

Your African-violet has simple likes and dislikes. Follow these rules for certain success

By Ferne Kellar
President, African-Violet Society of America, Inc.

THERE'S a good reason for the amazing popularity of the African-violet or saintpaulia. It gives you a wealth of delicate bloom over a long period, it doesn't need a sunny window, and it gives you a wide choice of varieties whose colors range from plum red through purple to blue, pink, and white.

Best of all, it's easy to grow. Follow these simple rules and you'll be assured of beautiful bloom.

Watering. Contrary to what you might have heard, water doesn't hurt an African-violet, although *cold* water or anything else cold can cause brown leaf spots. Use water at room temperature and you'll have no trouble even if you water from the top. Another good method is to set the entire pot into a pan containing an inch or two of water until moisture has seeped up to the surface. Water when the soil surface feels dry, but don't keep it soggy.

Feeding. Your violet won't need much feeding if it is potted in good soil. But during and after a period of heavy blooming it will appreciate about a level teaspoonful of complete plant food dissolved in a quart of water every two weeks or so. If you add soil or repot, use a soil rich in humus such as the kind you find in an undisturbed spot under a hedge. Or mix equal parts of sand, compost, and heavy, rich black soil —or buy potting mixture from your nurseryman.

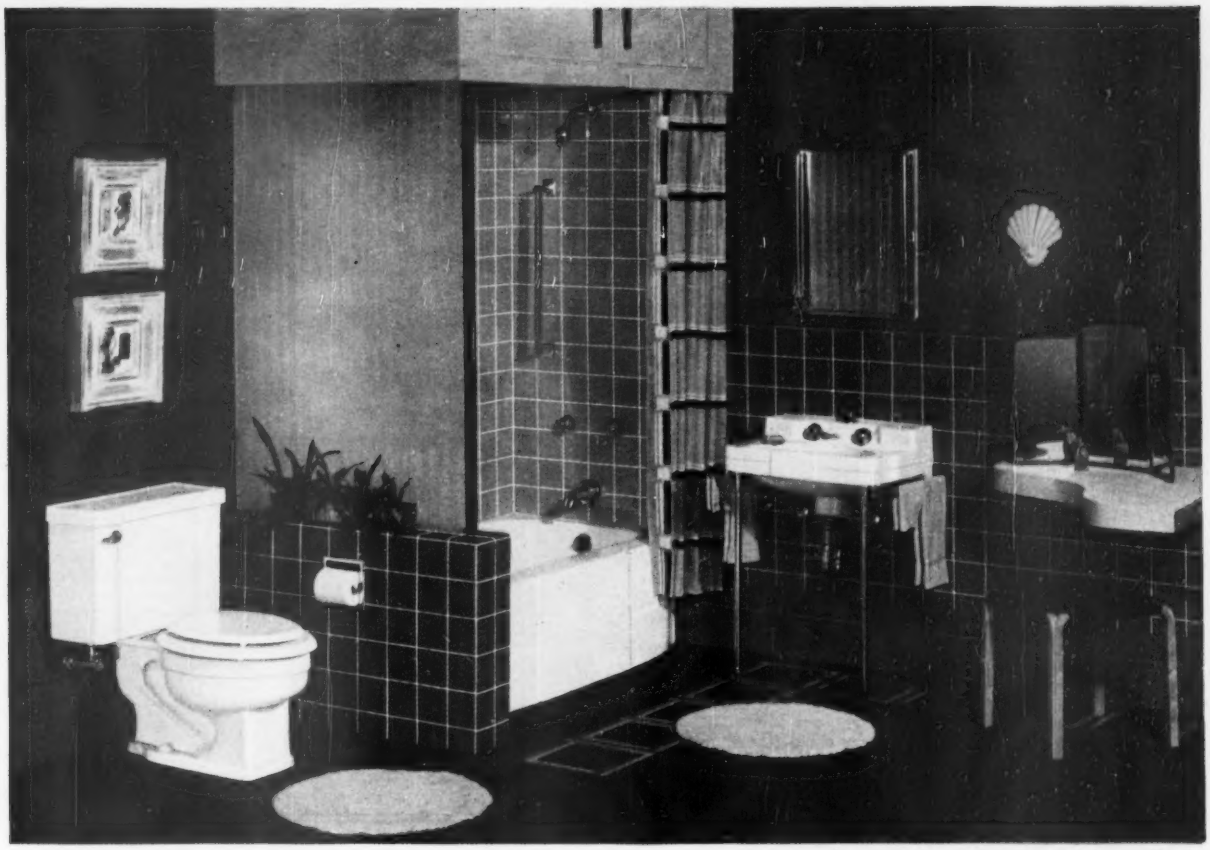
Light. Your plant needs good light but doesn't like direct sunlight. A north or east window is best; in a south window shade from strong sun rays.

Temperature. Room temperature, about 72 degrees, is just right. Below 60 degrees may harm plant. Avoid chilly drafts.

Handling. The leaves are brittle, so treat them gently. Don't let leaves touch cold glass because cold causes brown spots. Pick off faded flowers and seed pods.

Cleaning. The fuzzy leaves catch dust, but you can remove it by brushing gently with a soft pastry brush or a baby's hairbrush as you support the leaf underneath with your finger tips. A careful syringing in your kitchen sink with water at room temperature every two weeks or so will also keep leaves clean.

How to increase your African-violet plants, on page 118



Your home deserves beautiful Crane fixtures like this Drexel *Group—with* Dial-ese *controls that operate at a finger's touch. The vitreous china shelf-back lavatory has a large semi-oval basin, built-in soap dish and a quick draining Crane* Securo *waste. The modern bathtub with the flat safety bottom—only 16 inches high—is easy to step in and out. The toilet is the last word in quiet efficiency.*

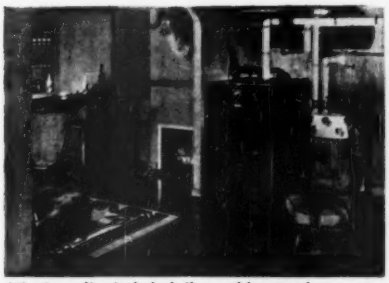
Why not do something about modernizing now?

Tired of your old bathroom—your old kitchen—your old heating system? Tired of faucets that are hard to turn—of sinks that won't drain properly—of broken-down boilers that won't heat?

It's time you did something about it.

Now is the time to install beautiful Crane fixtures in your bathroom—a modern Crane sink in your kitchen—a Crane boiler, Crane radiators or new Crane Baseboard Radiation in your heating system.

Crane equipment has new features that provide greater convenience—greater comfort than ever before. There is a Crane Dealer in your community who will gladly discuss the equipment necessary for your modernizing plans or for the new home you are planning. See him today.



The Crane line includes boilers and furnaces for any type system—to burn any fuel. Also included in the Crane line are radiators, controls, water specialties, pipe, valves and fittings—everything for any home heating system.

The handsome Sunnyday Sink—a full 60 inches wide—has a large 8-inch deep basin, two depressed drainboards, swinging mixing spout, retractable hose spray. The Crane line includes other sinks to suit every taste and budget.

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Plumbing and Heating • Valves • Fittings • Pipe

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How to increase your African-violets

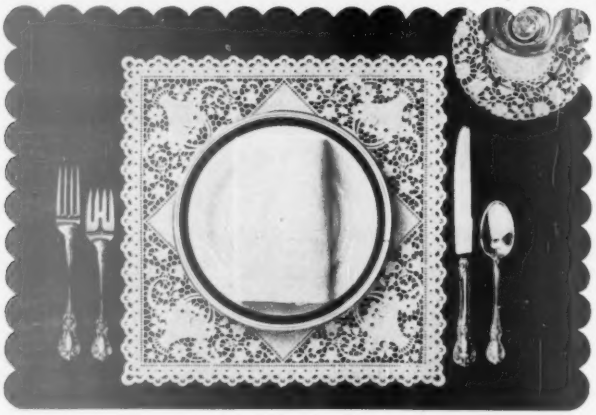
Begins on page 116

You can grow new African-violets by plant division. Here's a plant which has spread out into several crowns and is ripe for division. Work a knife down carefully between main plant and side crown; dig out the extra crowns. If roots are too tangled, you may have to remove plant from pot and carefully work the crowns apart with your fingers. Then repot in good soil

Or you can start African-violet leaves in sand, vermiculite, or soil. Poke a hole in the soil with a pencil, set the leaf stem about 1 inch deep. Put a leaf into an individual pot or put several leaves into a big pot. The important thing is to keep the soil moist but not soggy

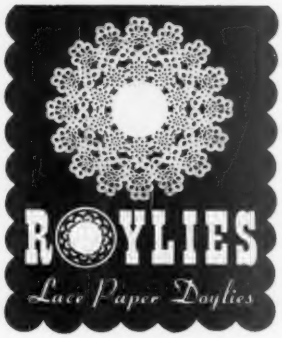
There's no trick to getting a new violet from a leaf. One method is to put the stem in water. A good idea for supporting the leaf is to stick it through a hole punched in waxed paper stretched over a glass of water as shown. Roots will appear in 2 to 4 weeks. Then transplant into sandy soil until leaves appear; transplant a final time to potting soil

There'll come a day when a leaf cutting will look like this. The parent leaf can be cut off near the soil surface, while the baby plant should be repotted into proper soil. If the parent leaf is of a choice variety, and if some stem remains, you can root the leaf all over again



How to give every meal . . . more appeal!

Give every meal an inviting look with crisp, white, lace paper Roylie place mats. Use matching Roylies under glasses, under salads, on dessert plates, etc. Beautiful as real linen—seeing is believing. They cost less than the mere laundering of linens. Handsomer than plastics. More convenient and economical too! Use Roylies for every meal. *Rounds, squares, oblongs—many sizes and patterns, from 5" round to 10" x 15". At 5-and-10's, naborhood, dept. stores.*



Trade Mark "Roylies" Reg. U. S. Pat. Off. Royal Lace Paper Works, (Inc.), Brooklyn 1, N. Y.

WIDE OPEN SPACES . . . In the day of McKinley and Bryan, rear platforms were more than rostrums for presidential candidates. From here we "saw America first". Father moored his straw hat to his coat lapel. Mother thrust her murderous looking butterfly hatpin through her bonnet into her upswept hair. And Buster had the elastic of his sailor firmly under his chin. The family had tired of seeing distorted scenery through small windows of wavy glass and decided to brave the rigors of the observation platform.

It was a thrill . . . frightened longhorns running awkwardly from the tracks, the race with a buckboard. It was an ordeal, too. Wind tore at clothing. Soot covered the gay awning, the carpeted flooring, the clothes of the hardy travelers. They would taste coal smoke long after they retreated inside. The inevitable cinder lodged in Buster's eye because in the excitement he forgot to squint.

All this to get a view! But that was before trains had large, clear windows of plate glass . . . *laminated* plate glass for safety, and before the genius of American production had brought the luxury of polished plate glass within reach of us all.

NO FINER GLASS THAN LIBBEY · OWENS · FORD PLATE GLASS

Chair courtesy Brandt Furniture Co.

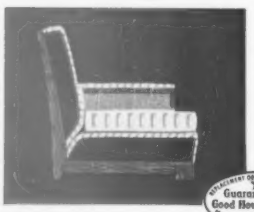
IN A CHAIR CUSHIONED WITH

Firestone FOAMEX*

HERE's a warm welcome... an invitation to take it easy—in your *Foamex*-cushioned chair. Deeper and deeper you rest, yielding to blissful *Foamex* comfort. You're firmly supported—cradled in baby-skin softness—at peace with the world.

Yet there's not an ounce of "over-stuffiness" in your air-cooled, air-cleaned *Foamex* easy chair. *Foamex* trims furniture down to a new loveliness of line, shape and form.

Foamex keeps the shape of your upholstered furniture, despite years of punishing wear. It can never sag, lump or pack down. That's why the best furniture in your favorite department or furniture store proudly features *Foamex*. In mattresses, too, at these same fine furniture departments, *Foamex* is another word for sleep.



Guaranteed by Good Housekeeping

See what we mean!

FREE A sample of Foamex. Use it for a complexion or make-up sponge. Caress your cheek with its softness and imagine what it's like to relax in a whole chair cushioned with Foamex. **Go to the furniture department of your favorite store or write Firestone, Akron for your free complexion sponge, now.**

*TRADE MARK
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Better Homes & Gardens

1949 national parks

Story begins on page 56

Park	Where it is	When to go	How to get there	What you'll see
ACADIA	Maine Coast (Mount Desert Island)	All year	[Railroads listed are those directly serving national parks or taking you on their own tracks to nearby points from which transportation is available to park. Most national parks can also be reached by bus or plane. Ask your local bus or airline office.] *Train:* Maine Central. *Auto*	Forest, seacoast
BIG BEND	Southern Texas at Mexican border	All year	*Train:* Southern Pacific. *Auto*	Mountains, desert
BRYCE CANYON	Southern Utah	Usually early June to mid-October, depending on snow	*Train:* Union Pacific. *Auto*	Eroded canyons, brilliantly colored formations
CARLSBAD CAVERNS	Southeastern New Mexico	All year	*Train:* Santa Fe, Southern Pacific, Texas and Pacific. *Auto*	World's largest cave
CRATER LAKE	Southern Oregon	All year; hotel and cabins June 15 to September 19	*Train:* Southern Pacific. *Auto*	Blue lake in extinct volcano, forests
EVER-GLADES	Southern Florida	All year	*Train:* Florida East Coast, Seaboard. *Auto*	Subtropical forests and water courses, birds and other wildlife
GLACIER	Northwestern Montana	June 15 to September 15	*Train:* Great Northern. *Auto*	Glaciers, lakes, mountains
GRAND CANYON	Northwestern Arizona	South Rim: all year; North Rim: May 15 to October 15	*Train:* Santa Fe to South Rim, Union Pacific to Cedar City, Utah (for North Rim). *Auto*	World's greatest canyon, mile deep, brilliant rock colors and immense formations. Indian dances
GRAND TETON	Northwestern Wyoming	May 15 to October 15	*Train:* Union Pacific. *Auto*	Alpine meadows, lakes, high mountains

low-cost vacation check list

What you'll do	Where to stay	What it'll cost you [Approximate cost per day, lodging and 3 meals for 2 persons. Where accommodations are in the park, children under 8 get half rate. Symbol "O" indicates accommodations outside park.]	How long to stay [Minimum time required to see outstanding points of interest. Longer stays recommended if time permits.]	More information? Write
Hiking, riding, driving, boating	Two free campgrounds in park; hotels and rooming houses in villages outside park	(O) $9 to $17	3 days	Supt., Acadia Natl. Pk., Bar Harbor, Maine. *For accommodations:* Publicity Offices at Bar Harbor, Northeast Harbor, or Southwest Harbor, Maine
Sight-seeing	Free campgrounds; limited cabin facilities	$9.40 to $11.90; cabins for 2 (do your own cooking) $1.25	2 days	Supt., Big Bend Natl. Pk., Marathon, Texas. *For accommodations:* Natl. Pk. Concessions, Inc., Marathon, Texas
Hiking, riding	Free campgrounds; lodge, cabins	$13 to $17.50	3 days (7 with Zion, 12 with Grand Canyon)	Supt., Zion Natl. Pk., Springdale, Utah. *For accommodations:* Utah Pks. Co., Cedar City, Utah
Guided tour through cave	Accommodations in nearby towns; none for overnight in park	(O) $10 to $17	1 day	Supt., Carlsbad Caverns Natl. Pk., Carlsbad, N. M.
Hiking, fishing (no license), boating, winter sports	Public campground; hotel and cabins June 15 to September 19	$13 to $15. Cabins, $3 for 2, plus cafeteria meals	4 days	Supt., Crater Lake Natl. Pk. (Winter) Box 672, Medford, Oregon; (Summer) Crater Lake, Oregon. *For accommodations:* Crater Lake Natl. Pk. Co., (Winter): 603 Wilcox Bldg., Portland, Ore.; (Summer): Crater Lake, Ore.
Boating, Audubon Society 2-day motor and water tours, fishing	Limited in park to Flamingo and Coot Bay; others outside and near park; few campgrounds	$11 to $15	5 days	Supt., Everglades Natl. Pk., Box 275, Homestead, Fla. Audubon tours: Audubon Society, 13 McAllister Arcade, 311 E. Flagler St., Miami, Fla.
Tours, boating, fishing (no license), hiking, riding	Free campgrounds; hotels, chalets, and cabins	$15 to $20; cabins, $2.50 (plus meals)	10 days	Supt., Glacier Natl. Pk., Belton, Montana. *For accommodations:* Glacier Park Hotel Co., (Summer) Glacier Park Station, Mont.; (Winter) 130 Great Northern Bldg., St. Paul, Minnesota
Trail trips, hiking, motor tours	Free campgrounds; hotels and cabins	$8.60 to $30; housekeeping cabins, $7.35	5 days (9 with Zion, 12 with Bryce)	Supt., Grand Canyon Natl. Pk., Grand Canyon, Ariz. *For accommodations:* (South Rim): Fred Harvey, Grand Canyon, Ariz.; (North Rim): Utah Parks Co. (Winter) Cedar City, Utah; (Summer) Grand Canyon, Ariz.
Climbing, fishing (Wyo. license), boating, riding, winter sports	Campgrounds, lodging and meals outside park	(O) $12 to $20	3 days (10 with Yellowstone)	Supt., Grand Teton Natl. Pk., Moose, Wyo. Will furnish list of nearby dude ranches and lodges

Turn to next page

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FAST! EASY! SAFE!

Why dull bathtub shine with dirt-catching scratches — when Bon Ami cleans so fast without scratchy grit? This fine, white cleanser lifts dirt off so quickly and with so little work. No hard rubbing and scrubbing. No harsh caustics to redden and roughen your pretty hands.

And Bon Ami polishes as it cleans. Sinks, bathtubs, basins, tiling are left with a brilliant luster. Try Bon Ami today. Give your bathtub and kitchen sink a real sparkle with the cleanser that's fast, easy, safe.

Bon Ami Cake cleans windows *cleaner*. No streaks. No oily film. Polishes as it cleans—and costs so little.

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"hasn't scratched yet!"

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- They are as much as 15° cooler in summer.
- They are more firesafe. Fireproof Gold Bond Rock Wool in the walls and roof provides a permanent fire barrier.
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Does this sound good to you? Then call in your Gold Bond Rock Wool Applicator. He's an insulation specialist, factory-trained in Gold Bond's tested methods of application, to give you the very best insulation job, without muss or fuss. He uses only Fireproof Gold Bond Rock Wool. Made by National Gypsum Company, it is the finest insulation money can buy.

Get the full facts now about insulation . . . the one home improvement that actually pays for itself. Your Gold Bond Applicator's name is listed in the classified section of your phone book under "Insulation". Phone him today for an estimate for your home without charge or obligation.

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Better Homes & Gardens 1949 national

Park	Where it is	When to go	How to get there	What you'll see
GREAT SMOKY MOUNTAINS	North Carolina and Tennessee	All year. (Wonderland Club Hotel, Mt. Le Conte Lodge, in park, summer only. Former June 15 to Sept. 15, latter June 15 to Oct. 30. All-year accommodation outside.)	*Train:* Southern, Louisville & Nashville, *Auto*	Highest mountain range east of Black Hills; mountain flora, forests. Cherokee Indian Reservation
HAWAII	Islands of Hawaii and Maui	All year	*Steamer* (Twice a week to Maui and Hawaii from Honolulu. (Matson, American President Lines and airlines to Honolulu.) *Air:* daily service from Honolulu	Volcanoes, tropical flora
HOT SPRINGS	Central Arkansas	All year	*Train:* Missouri Pacific, Rock Island. *Auto*	47 medicinal springs
ISLE ROYALE	Lake Superior	June 15 to September 15	*Boat:* From Grand Marais, Minn., Grand Portage, Minn., and Fort William and Port Arthur, Ont. Before trip, inquire Supt., I. R. Natl. Pk., Houghton, Mich.	Island wilderness preserve (no roads)
KINGS CANYON	Central California	All year (Accommodations May 22 to September 13)	*Train:* Southern Pacific, Santa Fe. *Auto*	Mt. wilderness; giant Sequoia trees in Grant Grove area. Sequoia Natl. Pk. and Grant Grove area of Kings Canyon Natl. Pk. linked by 30-mi. General's Highway through "big trees"
LASSEN VOLCANIC	Northern California	All year; accommodations May 16 to September 30	*Train:* Southern Pacific, Western Pacific. *Auto*	Only recently active volcano in United States; forests, lakes
MAMMOTH CAVE	Southwestern Kentucky	All year	*Train:* Louisville & Nashville. *Auto*	Limestone cave and underground river
MESA VERDE	Southwestern Colorado	May 15 to October 15 (Camping to November 1)	*Train:* Rio Grande, Santa Fe. *Auto*	Cliff-dwellings of early Southwest Indians; museums with educational exhibits of Indian history
MT. McKINLEY	Interior Alaska	June 10 to September 10	*Train:* Alaska R.R. from Seward, Anchorage, or Fairbanks (Alaska Steamship to Seward. Airlines to Seward, Anchorage, and Fairbanks. Alaska Highway to Fairbanks). *Auto:* No roads to park. Alaska R.R. will transport private automobiles to park for use on arrival	Highest peak in North America, glaciers

parks vacation check list

Continued from page 121

What you'll do	Where to stay	What it'll cost you	How long to stay	More information? Write
Hiking, pack trips, riding, motor tours	Free campgrounds. Some accommodations in lodge and hotels, more in nearby towns. Overnight shelters on Appalachian Trail. (Camping permit required)	$9 to $12 (Mainly outside park)	3 days	Supt., Great Smoky Mts. Natl. Pk., Gatlinburg, Tenn. *For accommodations:* Jack Huff, Gatlinburg, Tenn., Wonderland Club Hotel, Elkmont, Tenn.
Hiking, riding, camping	Free campground; Volcano House (Hawaii), Haleakala Mt. Lodge (Maui); limited number overnight cabins	$16 to $21	3 days	Supt., Hawaii Natl. Pk., T.H. *For accommodations:* Volcano House, Hawaii Natl. Pk., T.H.; Haleakala Mt. Lodge, Hawaii Natl. Pk., Maui, T.H.
Baths and therapy (rates set by government)	Public camp; boarding houses, hotels, in city of Hot Springs	(O) $12 to $40	2 days	Supt., Hot Springs Natl. Pk., Hot Springs, Ark. *For accommodations:* Chamber of Commerce, Hot Springs, Ark.
Fishing, boating, camping, hiking	Lodges	$14.40 to $16.40	4 days	Supt., Isle Royale Natl. Pk., Houghton, Mich. *For accommodations:* Natl. Pk. Concessions, Inc., Rock Harbor Lodge, Rock Harbor, Michigan
Pack trips, hiking, camping, fishing (Calif. license), winter sports	Free campgrounds; Grant Grove area: cabins, lodge; Cedar Grove in Kings Canyon: cabins	$4.50 to $9 (plus meals at coffee shop)	10 days (with Sequoia)	Supt., Sequoia-Kings Canyon Natl. Pk., Three Rivers, Calif. *For accommodations:* Sequoia and Kings Canyon Natl. Pk. Co., (Summer) Sequoia Natl. Pk., Calif. (Winter) 129 E. Center St., Visalia, Calif.
Fishing (Calif. license), hiking, riding, pack trips, camping, boating, winter sports	Campgrounds, lodges, tents, cabins, bungalows	$13.50 to $22.50	3 days	Supt., Lassen Volcanic Natl. Pk., Mineral, Calif. *For accommodations:* Lassen Natl. Pk. Co., (Summer) Manzanita Lake, Calif., (Winter) P.O. Box 188, Mineral, Calif.
Conducted trips through cave, fishing, except May (no license)	Free campgrounds; hotel, cottages, cabins	$7.30 to $10.30. In prefabricated huts, $6.30	1 day	Supt., Mammoth Cave Natl. Pk., Mammoth Cave, Ky. *For accommodations:* Natl. Park Concessions, Inc., Mammoth Cave, Ky.
Auto caravans and conducted tours of ruins; hiking, pack trips	Free campgrounds; lodge	$13 to $15.40 in cabins or lodge; $11.50 for 2 in tents	2 days	Supt., Mesa Verde Natl. Pk., Colo. *For accommodations:* Mesa Verde Natl. Pk., Colo.
Fishing, hiking, mountain climbing	Hotel	$10 to $16	5 days	Supt., Mt. McKinley Natl. Pk., McKinley Pk., Alaska. *For accommodations:* The Alaska R.R., (Summer) McKinley Pk., Alaska, (Winter) Anchorage, Alaska

More on next page

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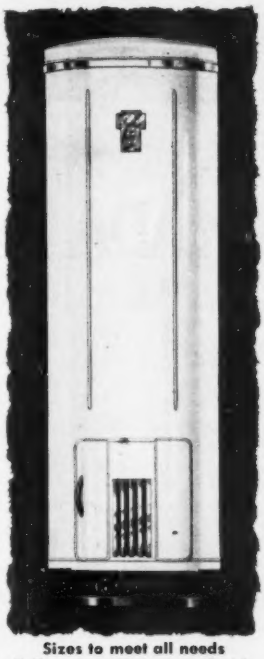
NEW DISCOVERY about HOT WATER



Sizes to meet all needs
Fully automatic, gas or electric

IT MEANS cleaner, purer hot water *all the time* and always *all you want* . . . because it's Hot Water "Packaged-in-Glass"!

NO RUSTING • NO CORRODING

Remember this one thing about a *Permaglas* Water Heater: it CANNOT *rust or corrode . . . under any water condition.*

The reason, a remarkable development by A. O. Smith scientists, is the glass-lined tank—sanitary as a clean drinking glass! Banished is tank rust that ruins laundry, corrosion dirt that discolors water and fixtures.

Proved in hundreds of thousands of homes all over America, *Permaglas* Water Heaters assure you a new, economical kind of hot-water convenience. All the hot water you want for every home use, all you need for the newest automatic washers and dishwashers . . . and always *clean.*

You no longer need to replace your water heater every few years . . . when you install a "*Permaglas*"! At leading public utilities, merchant plumbers, better appliance dealers.

FOR DRAMATIC PROOF visit your nearest dealer who displays this emblem.

See for yourself this amazing new discovery, Hot Water "Packaged-in-Glass."

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Guaranteed by Good Housekeeping

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Canada's coasts and inland lakes provide safe, clean beaches for the young 'uns

FOR a complete change, an exciting *new* kind of vacation — cross the border into Canada, the land of Vacations Unlimited.

Visit her charming cities, see old friends again, shop for hand-loomed tweeds and home-spuns, English bone china, colourful native crafts. Or roam scenic highways, the lake-and-woodland loveliness of famed resort areas, the green inspiration of Canada's National Parks. *Write for detailed information, or use the coupon below.*

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1. New, interesting — "foreign" atmosphere. **2.** A million square miles of scenic playground. **3.** Friendly cities, hospitable people. **4.** Friends and relatives waiting to welcome you. **5.** Lots to do — sports, recreation, sightseeing. **6.** Near — easy to get to — no border "red tape". **7.** Your vacation dollar buys more, goes further. NO PASSPORT NEEDED.

You get close-ups on Nature riding mountain trails, woodland bridle paths

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Ottawa, Canada D. Leo Dolan, Director

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Better Homes & Gardens 1949 national

Park	Where it is	When to go	How to get there	What you'll see
MT. RAINIER	Northwestern Washington	All year	*Train:* Milwaukee, Great Northern, Northern Pacific. *Auto*	Snow-clad Mt. Rainier, glaciers, forests, Alpine meadows
OLYMPIC	Olympic Peninsula of Washington	All year	*Boat:* Ferry from Seattle and Victoria. *Auto*	Heavy virgin forests, mountains, Alpine meadows, views of Puget Sound
PLATT	South Central Oklahoma	All year	*Train:* Santa Fe, Frisco. *Auto*	Cold mineral springs, wooded hills, streams
ROCKY MOUNTAIN	North Central Colorado	All year (Trail Ridge road open approx. May 30 to Oct. 25)	*Train:* Union Pacific, Burlington, Rock Island, Colorado & Southern, Missouri Pacific, Rio Grande. *Auto*	65 peaks over 10,000 ft., mountain lakes, and meadows
SEQUOIA	Central California	All year (Accommodations vary)	See Kings Canyon Natl. Pk.	"Big Trees," Mt. Whitney, highest in United States
SHENANDOAH	In Blue Ridge Mountains of Virginia	All year (Accommodations closed winter and spring)	*Train:* Norfolk and Western. *Auto*	Panoramic views of wooded mountains
WIND CAVE	Black Hills, South Dakota	All year	*Train:* Burlington, Northwestern. *Auto*	Limestone cavern with unique "boxwork" formations; buffalo herd
YELLOWSTONE	Northwestern Wyoming; small areas in Montana and Idaho	For motorists approx.: May 1 to October 15; hotels and busses: June 20 to September 10	*Train:* Northern Pacific, Milwaukee, Union Pacific, Burlington. *Auto*	Geysers, waterfalls, lakes, forests, canyons, hot mineral springs, bears and other wildlife
YOSEMITE	Central California	All year	*Train:* Santa Fe, Southern Pacific. *Auto*	Granite Gorge of unusual beauty, waterfalls, big trees, Alpine forests, meadows, and lakes
ZION	Southern Utah	All year (including cabins). Lodge: approximately May 30 to September 25	*Train:* Union Pacific. *Auto*	Spectacular multicolored gorge, desert, and canyon country

parks vacation check list

Continued from preceding page

What you'll do	Where to stay	What it'll cost you	How long to stay	More information? Write
Mountain climbing, biking, riding, winter sports, fishing (no license), hot mineral baths at Ohanapecosh	Free campgrounds; inns, lodges (Longmire open all year, others June to September or October), cottages	$10.50 to $16. Housekeeping cabins, $8.25	7 days	Supt., Mt. Rainier Natl. Pk., Longmire, Wash. *For accommodations:* Rainier Natl. Pk. Co., Box 1136, Tacoma 1, Wash.
Pack trips, riding, biking, hot-spring bathing, winter sports, boating, swimming, fishing (state or county license)	Free campgrounds; lodges, cabins, chalets, and hotels in and out of park	$3 to $10 in housekeeping cabins, (plus meals for 2, $8. at Rosemary Inn only)	5 days	Supt., Olympic Natl. Pk., Port Angeles, Wash. *For accommodations:* Olympic Pen. Hotel and Resort Assn., Coleman Ferry Terminal, Seattle, Wash., and Natl. Pk. Concessions Inc., Star Route, Port Angeles, Wash.
Swimming, biking, riding, taking the waters	Free campgrounds; other accommodations in city of Sulphur	(O) $9 to $16	1 day	Supt., Platt Natl. Pk., Sulphur, Okla.
Pack trips, riding, fishing (Colo. license), camping, mountain climbing	Free campgrounds; hotel, lodges, cabins. Other accommodations at nearby Grand Lake and Estes Park	$10.50 to $16; housekeeping cabins, $5.15	7 days	Supt., Rocky Mt. Natl. Pk., Estes Park, Colo. *For accommodations:* Chambers of Commerce, Grand Lake or Estes Park, Colo.
Pack trips, riding, fishing (Calif. license), biking, camping, winter sports	Free campgrounds; lodges, cabins	$12 to $18; housekeeping cabins $4 daily (do your own cooking)	10 days (with Kings Canyon)	See Kings Canyon Natl. Pk.
Motoring on Skyline Dr., biking, camping, riding, fishing (Va. license), swimming, winter sports	Free campgrounds; lodges and cabins (no housekeeping)	$6.20 to $12	3 days (as motor tour)	Supt., Shenandoah Natl. Pk., Luray, Va. *For accommodations:* Va. Skyline Co., Luray, Virginia
Conducted tours of cave	Free campground; no hotels or other accommodations in park. Hot Springs hotels 10 miles away	(O) $11 to $15	1 day	Supt., Wind Cave Natl. Pk., Hot Springs, S. D. *For accommodations:* Hot Springs Chamber of Commerce, Hot Springs, S. D.
Sight-seeing, riding, pack trips, biking, camping, fishing, boating	Free campgrounds; hotels, lodges, cabins	$12 to $20. Housekeeping tents $8.05	7 days (10 with Grand Teton)	Supt., Yellowstone Natl. Pk., Yellowstone Park, Wyo. *For accommodations:* Yellowstone Park Co. (Winter) P. O. Box 29, LaJolla, Calif., (Summer) Yellowstone Park, Wyo.
Camping, pack trips, riding, biking, swimming, fishing (Calif. license), winter sports	Free campgrounds; bungalows, cabins, tents, hotels, lodges, High Sierra camps	$10 to $24. Housekeeping tents $3 for 2 plus cafeteria meals (estimated total meals and tent for 2, $7)	7 days	Supt., Yosemite Natl. Pk., Calif. *For accommodations:* Yosemite Pk. and Curry Co., 39 Geary St., San Francisco, Calif. or 62 S. Olive St., Los Angeles, Calif.
Camping, riding, biking, mountain climbing	Free campgrounds; cabins, lodge, (see season)	$13 to $17.50	4 days (7 with Bryce, 12 with Grand Canyon)	Supt., Zion Natl. Pk., Springdale, Utah. *For accommodations:* Utah Parks Co., Cedar City, Utah

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loves your pocketbook – protects it 3 ways!

1. MORE FOR YOUR MONEY! Two tubs working at once do an average week's wash in less than an hour! One tub washes while the other super-rinses, then spins clothes *up to 25% drier!* Clothes dry faster, are lighter to hang up.

2. EASY ON CLOTHES...SAVES ON "EXTRAS"! Gentle roll-over action washes *all* clothes in *all* parts of tub. Cleans grimiest overalls. Yet safe for sheerest undies! No wringer wrinkles to iron out. No broken buttons. Saves cleaning bills by doing "washable" drapes, slipcovers, at home!

3. SAVES SOAP AND HOT WATER! Uses hot suds over and over. And Easy is *portable!* Just wheel to any sink. *No set tubs needed!* Dollar for dollar, it's America's greatest washer value!

ONLY EASY HAS AUTOMATIC SPIN-RINSE! Just turn a tap, and fresh water surges up through cone in spinning basket, double-rinsing a full load of clothes whiter, brighter in 3 minutes ...with only 3 gallons of warm water! See it in action at your friendly Easy dealer today! Easy Washing Machine Corporation, Syracuse 1, N.Y.

Every day more women say "it's EASY for me!"

PROUDEST
"Among those PRESENTS!"

Sharper Knives with Longer Lives!

At the start . . . sharper edges: Flint knives are made from the finest Vanadium cutlery steel... tempered for extra hardness, then Hi-Arc hollow ground to make easy work of carving, slicing, paring.

For long years... sharper edges: The Vanadium steel is tough, flexible and resilient as a sword. Polished to stay bright for years. Handles are deluxe — finest polished rosewood! See Flint Knives today — at all better stores.

This shows how Flint Knives are Hi-Arc hollow ground high up into the blade.

Guaranteed by Good Housekeeping

POPULAR HOLDSTER SET
6 Flint Vanadium Knives in handsome polished hardwood block
$16.95

SINGLE KNIVES IN SCABBARDS
From Paring Knife, 75c up

Prices slightly higher in West

EKCO
FLINT
VANADIUM
KNIVES

ANOTHER GREAT PRODUCT BY EKCO

ECKO PRODUCTS COMPANY, CHICAGO 39, ILL.

Low-cost family vacations

Begins on page 56

Josef Muench

Higher than Niagara . . . Lower falls of the Yellowstone plunge 308 feet into brilliant depths of the Grand Canyon of the Yellowstone

country, off the roads, are far cheaper inside the parks than out of them.

Because the parks, by act of Congress, are dedicated to public use, the Department of the Interior has provided for every type of visitor. By pitching a tent and cooking your own food, you can live for as little as $1.50 a day per person. Or, if you want luxury, you can pay up to $25 a day for each member of your family and revel in an elegant suite.

What kind of park do you prefer? You have an almost unlimited choice.

Does rugged, coastal country appeal to you? Then take a trip to the granite headlands of Mt. Desert Island in Maine, overlooking Bar Harbor and the Atlantic.

Subtropical scenery? Then try Everglades National Park, in Florida, where snowy egrets rise from the waters and alligators lie on the banks.

The Rocky Mountain country? Choose, then, between the snow fields and lakes of Glacier National Park and the 2-mile-high Trail Ridge Road through Rocky Mountain National Park, with its 65 peaks more than 10,000 feet high.

The world's largest trees (Sequoia National Park) . . . the greatest glaciers in the United States (Mt. Rainier National Park) . . . the largest cave yet discovered (Carlsbad Caverns National Park) . . . the greatest and most beautiful canyon known (Grand Canyon National Park) . . . these are some

[*Turn to page 128*

Josef Muench

Trout land . . . Turbulent streams like the Tuolumne in the high country of Yosemite Valley make an angler's paradise in many a park

LUMINESS — AMAZING NEW COMPOUND ADDS WHITENESS, BRIGHTNESS TO CLOTHES!

YES, LUMINESS, amazing new whitening compound now in La France Bluing Flakes, will actually add *whiteness* and *brightness* to your clothes!

Here's the amazing reason why: All white clothes are *white* and all colored clothes are *bright* . . . because they reflect light.

Luminess increases the amount of light clothes reflect...actually making white clothes WHITER and colored things BRIGHTER each and every time you wash!

What's more—La France isn't a regular bluing . . . it can't possibly streak or spot! And it isn't a bleach either . . . so it can't weaken or harm any fabric.

You can wash fast-color and white things in the same washer load or tubful. New La France with Luminess will whiten the white things and brighten the colored things at the same time.

Try new La France with Luminess next time you wash! See the wonderful, wonderful difference La France makes!

The price is amazingly low . . . all it costs is two to three cents a week.

LA FRANCE BLUING FLAKES

with whitening—brightening Luminess!

A PRODUCT OF GENERAL FOODS

"My ironing is 3 times easier with Satina in my starch!"

WRITES MRS. GERARD SULLIVAN, ROSEDALE, L. I.

"SATINA GETS MY VOTE as an A-1 helper," writes Mrs. Sullivan. "It makes starched ironing 3 times easier, to say the very least. There's never any sticking."

Satina is a wonderful ironing aid that you use with boiled or unboiled starch. It dissolves easily in boiling water or the boiling starch solution.

It not only makes ironing easier, it makes clothes *smell fresher, look newer,* and stay *clean longer,* too!

FREE FULL-SIZE PACKAGE

WE'RE SO SURE *you'll* love Satina, if we can just get you to try it once, that we're offering you a *free* full-size package. Enough for 4 big starchings. Just try it and judge Satina for *yourself!*

A PRODUCT OF GENERAL FOODS

SATINA, Dept. 77, Battle Creek, Michigan

Dear Sirs: Satina sounds good to me. Now I'd like a free full-size package to see how much easier it makes *my* starched ironing.

NAME _____

STREET _____

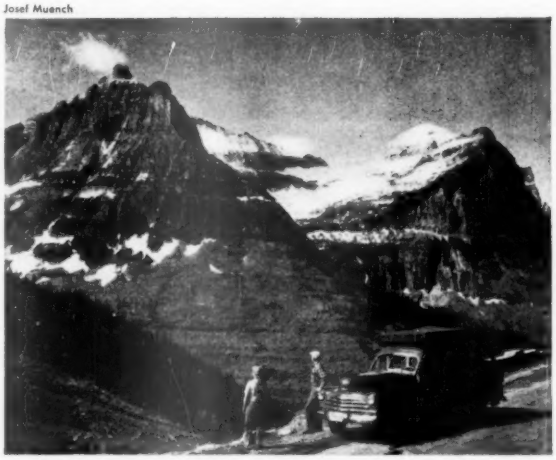
CITY _____ STATE _____

Women say: "Put SATINA in your starch! It makes starched ironing 3 times easier!"

Low-cost family vacations

Continued from page 126

Josef Muench



Your own private Alps . . . Switzerland has nothing on parks like Grand Teton, Kings Canyon, Mt. Rainier. This is Glacier's Mt. Oberlin

of the best known of our public preserves. All of them are yours, and all of them offer the most economical vacations anywhere on this continent.

This year, the national park system is 76 years old. It was in 1872, after explorers plumbed the mysteries of Yellowstone, that Congress established the area as a national park, "a pleasuring ground for the benefit and enjoyment of the people." Since then, its trees, its wild animals, its waterfalls, and its geysers have been preserved so that you may enjoy them.

If you ask the average American what national park he'd choose to visit first, odds are he'll answer: "Yellowstone, of course." And, if you ask him what geyser he'll go to see first, he'll answer: "Old Faithful."

Old Faithful is the most spectacular of the Yellowstone phenomena, so regular in spouting its column of boiling water that tourists set their watches by it. It is, however, only 1 of 10,000 thermal features in the Park—geysers, hot springs, mud volcanoes.

Even without these impressive displays of hot-water activity, Yellowstone would be a travel must. The Grand Canyon of the Yellowstone, the calm waters of Yellowstone Lake, and the wild animals, ranging from bear to bighorn sheep, combine to provide a 2-million-acre scenic package unequaled in the world.

The official Yellowstone season begins June 20 and ends September 10. By car, you can enter from Gardiner, Red Lodge, or Gallatin, Montana; from Cody and Jackson Hole, Wyoming; and from West Yellowstone, Idaho. By train, there is another wide choice: Gardiner or Red Lodge via Northern Pacific; Gallatin via the Milwaukee; West Yellowstone by Union Pacific, and Cody via the Burlington. Motor coach lines serve all entrances; United Airlines and Northwest Airlines connect with Western Airlines to drop you at the West Yellowstone airport.

In your own town, once you start talking about that trip to Yellowstone, others will want to go. You may well find three different families, with three different notions on how to make the trip.

Perhaps your own choice, if you have two growing youngsters in your family, is to stay in a canvas-frame cabin, thus holding your total cost to $108.50.

The Smiths, however, have relatives on the Coast whom they want to visit. They prefer a quick, escorted tour of the park. It's theirs—for $44.75 each, or $179 for the whole family, including meals, lodging, and transportation. In 2½ days they'll see all the principal sights.

The Joneses have two weeks, but they're saving for a new house. Their decision is to pitch a tent in one of the 15 principal public camp sites. It costs them nothing for this privilege, and water, sanitary facilities, and cooking grates are at hand. The only expense is food, cooked over an open fire—about $6 a day for the four of them, or $60 for 10 days in the park.

The Browns can't quite make up their minds. Should they stay in a comfortable cabin at one of the four lodges within the park? If so, by eating at the coffee shops, their total bill for 10 days will be $151. Both of their children are older than 8, or the cost of lodging would be a little less.

An alternate choice for the Browns is to stay at Old Faithful Inn, Canyon Hotel, or Mammoth Springs Hotel, luxurious establishments with massive lounges and all

the metropolitan comforts. Here the rate for the four in the family will run from $320 (in two rooms without bath, but with meals included) to $370 in two rooms with a bath between them.

UNCLE SAM makes only one charge on motorists entering Yellowstone. That is a flat fee of $3 for autos, plus an extra dollar if a trailer is carried. For this figure, you have the run of 300 miles of improved roads, among them the 142-mile Grand Loop which carries you from Mammoth Hot Springs past the Norris Geyser Basin alongside obsidian cliffs to Old Faithful, past Yellowstone Lake to the brink of the Yellowstone Canyon over the summit of 10,317-foot Mt. Washburn and alongside a petrified forest to your starting point.

Every visitor to Yellowstone is fascinated by the bears. Brown and black, they stroll along the roads, may even stop your car to beg for candy or food. A word of advice: *Don't feed the bears.* It's a dangerous pastime. Park officials warn you to observe the bears from a distance.

ONCE you've gotten over the surprise of seeing wild animals close at hand, you'll want to learn more about the park. Ranger naturalists are on hand to help you. Parties are conducted through eight of the most scenic areas, and there are campfire talks most every evening. More than that, the park has five museums, which also serve as official information offices.

Do you hike, or ride horseback? There are more than 500 miles of trails, leading back from the crowded highways to wilderness areas. Guided trips on horseback may be made for as low as $2. A horse for a day, with a guide, will cost you $12. The Yellowstone Park Company maintains a motorbus service for park tours, with rates from a dollar up.

EVEN the price of fishing trips is regulated at Yellowstone. Launches, with fishing tackle included, cost $3.50 an hour. A rod, reel, and landing net may be rented for 50 cents a day. Half-hour speedboat trips on Yellowstone Lake cost a dollar a person. There's swimming at beaches along the shore, and there also are natural hot-water pools at Mammoth Hot Springs and Old Faithful.

A small army of rangers watches over Yellowstone's million visitors annually. At Mammoth Hot Springs, there is a hospital; there are trained nurses at each hotel and lodge; and physicians are on call to treat injuries or illnesses anywhere in the park. Catholic, Protestant, and Morman services are conducted each Sunday at convenient points.

And that's Yellowstone—unique, but no more so than just about any other national park. However, if your taste runs to less grandeur, if you prefer the softer scenery of the Eastern hills, then you may find just what you want in Great Smoky Mountains National Park, a wilderness oasis in the East.

Last year, nearly a million and a half persons converged on the Smokies. Most of them came down through Virginia and North Carolina over the Skyline Drive (Shenandoah National Park) and the Blue Ridge Parkway, a scenic ridge-top roadway interrupted at four points, but linked by adequate standard roads. Eventually, there will be a skyline drive all the way from the Virginia-Maryland border to the Smokies, a distance of 470 miles.

This largest of the eastern national parks, with a backbone ridge rising above 5,000 feet for 56 continuous miles, is also the most easily reached. Paved roads converge at Knoxville, Tennessee, and Asheville, North Carolina, on either side of the park. The Southern Railway, connecting with northern lines at Washington, serves both cities; the Louisville and Nashville from Chicago and New Orleans, runs into Knoxville. Major airlines reach both cities, and there are seven daily bus trips through the park between Asheville and Knoxville.

LET'S suppose you don't come in your own car, but still want to see the whole park. If so, the Smoky Mountain Tours Company provides for you. There are all-expense tours of the park proper covering 3 days. With rooms, meals, and federal transportation tax included, starting either from Asheville or Knoxville, it would cost $172.60 for a family of four. Longer tours, running all the way up to 10 days, and including sights outside the park, such as Mt. Mitchell (highest in the East) the Pisgah Forest, Fontana Dam, and the Blue Ridge Parkway, run all the way to $170 per person. A one-day trip across the park costs $8.05 per person, or $32.20 for a family of four.

One great virtue of the Smokies is that you can visit them comfortably any time from April to November. In spring, the azaleas and mountain laurel make a carpet of color. In summer, until August, the rhododendron is in bloom. In fall, there is the most spectacular autumn coloring to be found anywhere in the East.

A splendid trans-mountain highway winds through shadowy notches, clings to the timbered mountainside, climbs to almost a mile, and looks down on tiny clusters of cabins preserving a pioneer culture 100 years old. Ancient gristmills, handmade tools, and household objects picture a frontier life that still existed in some tiny valleys until the government stepped in 10 years ago.

A BLUE haze hangs over the peaks. From Clingman's Dome, 6,643 feet, (reached by auto) the mountains seem to stretch off endlessly into the distance. But to see them best, you must shoulder a pack to walk some of the 71 miles of the Appalachian Trail, or travel over some of the 653 miles of horse and foot trails.

As in Yellowstone, there are varied accommodations. At the Chimneys, six miles south of Gatlinburg, and on the North Carolina slope at Smokemont, there are

[Turn to page 166

YOU'LL REMEMBER Oregon!

Mill Creek drops into the famed Rogue River, Southwestern Oregon . . .

Your whole family will thrill to Oregon's spectacular variety of all-season playlands. Sparkling waterfalls, streams and lakes are vacation-time gems, set in the Pacific Northwest's deep evergreen forests. Famed scenic routes invite you to fun in mountain snowfields . . . to 400 miles of the Pacific's ever-changing coastline . . . "Old West" rangelands . . . vast, colorful gorges. Plan your happy Oregon holiday now. Come *soon* . . . be sure to bring your camera.

Send coupon TODAY for FREE booklet

SEE ALL OF Oregon BY TRAVELING SCENIC HIGHWAYS

Travel Information Dept., Room 139
State Highway Commission, Salem, Oregon
Please send free booklet to:

Name_____

Address_____

City_____ Zone____ State_____

Oh, my aching back!

Here's fast relief...

• Muscles stiff and lame after too much exercise? For fast relief, help Nature by rubbing on Absorbine Jr. This stimulates your local circulation . . . enables fresh blood to bring invigorating nourishment to areas where applied. Pain eases, stiffness "loosens up". . . you can relax and *enjoy* life! Get a bottle of time-proved Absorbine Jr. today and always keep it handy. $1.25 at all drugstores.

W. F. Young, Inc.
Springfield, Mass.

Ah! my Absorbine Jr.!

What a pretty frame these curtains of Hathaway Dots* make! They come in many different styles. You can use them to decorate every window in your house. Curtains made of Hathaway Dots are always reasonably priced, too. Freshen up your house today with Hathaway Dots. Write for our interesting, helpful booklet "How To Buy Curtains." Address: Dept. B2, Hathaway Manufacturing Company, New Bedford, Mass.

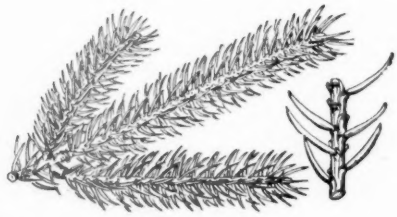
HATHAWAY DOTS

Lounging Costume by Claire McCardell

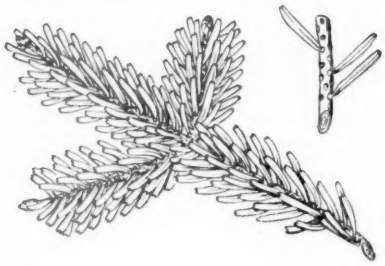
*Woven by the makers of Hathaway Nylon Marquisette

Know your evergreens

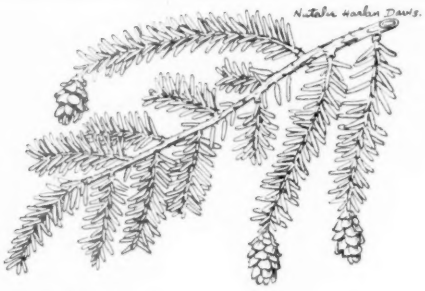
Begins on page 28



SPRUCE (*Picea*) looks like several other evergreens at first glance, but you can recognize it easily if you look at a twig from which the needles have fallen. The needles break off, leaving jagged projections which are a certain identification. The needles are arranged all around the twig making it bushy like the tail of a frightened cat; the cones hang downward; and the needles are generally sharp-pointed and stiff.



FIR (*Abies*) can easily be confused with spruce on first glance since the needles are arranged much the same way. However, when fir needles break off, they leave a smooth, round scar, flush with the twig surface. The needles also differ from those of spruce in being soft to the touch and blunt, while the cones hang downward.



HEMLOCK (*Tsuga*) is another of the evergreens you'll want to know. It's usually a graceful tree with branches which hang down in a flowing, pendulous growth habit. The needles are arranged in rows on each side of the twig, and cones are borne on twig ends.

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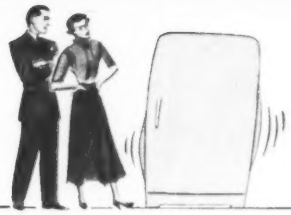
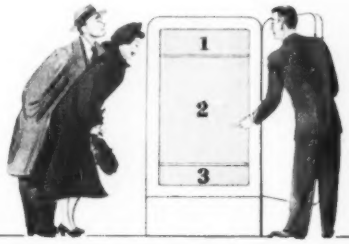


Want all three cold zones larger in your new refrigerator?

Ask your Frigidaire Dealer to show them to you in America's No. 1 Refrigerator — the one that is different from all others!



You'll be amazed at all the extra room inside this new Frigidaire De Luxe!

Yes, Your Frigidaire Dealer will show you there's all that extra space you've always needed — up to 50% more room than before! — in the 3 cold zones of the new Frigidaire Refrigerators.

This De Luxe model, for example, holds 50 lbs. of frozen foods in the freezing cold of its Super-Freezer Chest. Nearly 2/3 of a bushel of fruits and vegetables will stay fresher, crisper in its super-moist Hydrator — protected by an additional refrigerating system of its own. In between you'll see all kinds of space for everything from fresh eggs to tall cold bottles.

But you'll see far more than extra space — more than extra conveniences. There's one thing that only a Frigidaire Dealer can show you — the difference between a Frigidaire and any other refrigerator you've ever owned or seen — the famous Meter-Miser! Look at it carefully for it's the key to the long, carefree life of your refrigerator — sealed in steel against dirt and moisture, oiled for life, so you won't have to look at it again for years and years. Yes, it's the simplest of all cold-making mechanisms — stingy in its use of current — the No. 1 reason why Frigidaire is America's No. 1 Refrigerator!

Your Frigidaire Dealer will demonstrate all 9 Frigidaire models — all backed by the experience of building 10 million refrigerating units. He will help you select the one that best fits your kitchen, your family, your eating habits. Also ask to see the Frigidaire electric ranges, automatic washer and other appliances for the home.

Look up the name of your Frigidaire Dealer today — in Classified Phone Directory; or write Frigidaire Division of General Motors, Dayton 1, O. In Canada, Leaside 12, Ont.

Listen to Frigidaire's New Lum and Abner show, Sunday nights CBS.

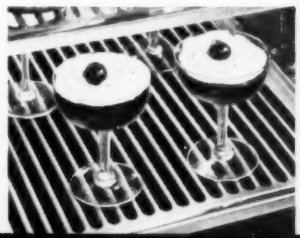
FRIGIDAIRE
Refrigerators

Look how the Meter-Miser works — without belts or gears, without oiling or any attention! It's the simplest cold-making mechanism of all — so easy on electric current!

Watch "Quickubes" pop right out of Frigidaire's exclusive Quickube trays. Cubes freeze fast — come out trigger-quick at the touch of a lever.

Put all your eggs in one Basket-Drawer — handy aluminum drawer that's so convenient for storing all small packages as well as eggs.

You'll like these streamlined shelves — rust-proof aluminum, clean and bright. Close-spaced bars support small items, tippy bottles.



Be sure the new heater you buy is equipped with a Dow Magnesium Rod or have your present tank protected.

This rod protects the tank of your heater against rust simply, scientifically . . . gives you maximum protection against rusty water and leaky tanks at minimum cost. It adds years of useful life because the rod itself, by electro-chemical action, absorbs the brunt of the corrosive attack instead of the tank.

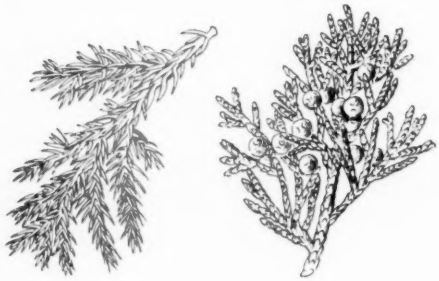
Leading manufacturers are equipping their heaters with Dow Magnesium Rods. They're taking advantage of this proved way to insure against failure due to corrosion. See your dealer today, and insist on a heater equipped with a Dow Magnesium Rod.

To protect your present tank, ask your dealer about the Link-type Rod for simple installation in existing heaters.

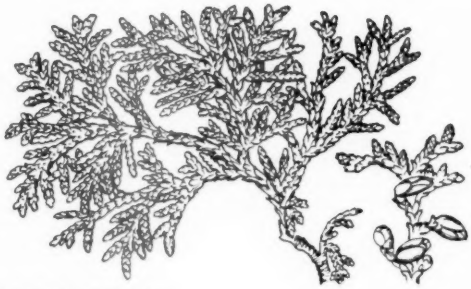
THE DOW CHEMICAL COMPANY • MIDLAND, MICHIGAN

Know your evergreens

Continued from page 130



JUNIPER (*Juniperus*) is going to cause you trouble, because even the experts have trouble with its widely different varieties. Its new growth or juvenile foliage (left) is sharp and prickly and differs greatly from the soft, scalelike matured or adult foliage (right). You'll usually find both on the same tree, but to confuse matters still more, the juvenile foliage never matures on some species. However, you won't have any trouble identifying a female juniper when it bears its frosty, grey-blue berries which are actually small, pulpy cones.



ARBORVITAE (*Thuja*) has foliage as distinctive as any evergreen that grows. Its flat, lacy fernlike branches are already familiar to you even if you haven't known its name before now, and you've undoubtedly noticed the overlapping scales of its leaves and smelled their pungent odor. Arborvitae, like juniper, has both a prickly leaved juvenile form of foliage and a scalelike adult form.

However, the way the branches grow in flat sprays is so different from other evergreens that it's unmistakable, regardless of foliage form.

AFTER learning to recognize these seven, you'll want to get acquainted with some of the other evergreens which grow in your section of the country. Cedars, cypress, sequoia, and larches are all worth knowing, and every one of them has its own distinctive characteristics. But don't make the mistake of looking for any evergreen that looks exactly like the examples given, because they show just the general characteristics. You'll find wide variations in different varieties.

Nevertheless, a little practice should make it easy for you to recognize all of the evergreens in your area just as easily as you now tell an oak from an elm or maple.

Sparkle aplenty!

Bright housewives with a flair for doing things right don't wear themselves out scrubbing toilet bowls. They sprinkle Sani-Flush into them at least twice a week and let its chemical action do the work. Sani-Flush chases stains and invisible, germy film in a hurry. Disinfects, too.

Safe in all toilet systems—good in hard or soft water. At all grocers'. Two sizes. The Hygienic Products Co., Canton 2, Ohio.

Sani-Flush

GET TWO CANS FOR CONVENIENCE

A QUALITY DRY BATTERY FOR EVERY PURPOSE

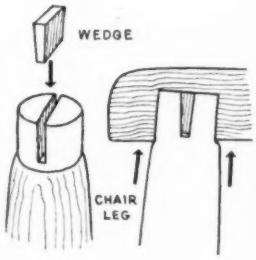
BURGESS

BATTERIES

for Your Flashlight

How-to for the handy man

Continued from page 26



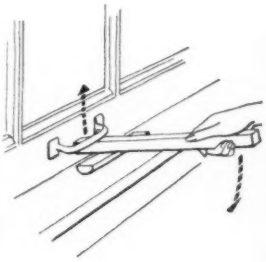
Fixing loose chair legs

The next time you fix a loose leg or rung of a chair, use this method to make your repair permanent.

First, make a saw cut about 1 inch deep in the dowel end of each loose leg or rung. Then whittle a thin hardwood wedge for each slit. The tapered end should slip freely into the saw cut, and the butt end should be about $\frac{1}{8}$ inch thick. Make this wedge a trifle shorter than the depth of the saw cut.

Smear glue on the wedge, the end of the dowel, and in the dowel hole. Then drive the dowel slowly into the hole with a wooden mallet. The wedge will spread the end to make a tight fit.

When you use this method to repair a chair leg, the wedge should be at right angles to the grain of the wood in the chair seat to reduce the danger of splitting. *S. B. Major, Peninsula, Ohio.*



Window opener

Do you have a window over your kitchen sink that is hard to open? Mine called for such a long reach that I had to stand on a chair to open it.

My husband solved the problem—and saved me many cases of frayed temper—with a simple gadget. To a 12-inch strip of wood, he nailed a 3-inch piece of half-round molding (a split broomstick would do). The molding was attached crossways about $1\frac{1}{2}$ inches from the end of the stick.

To raise the window, I slip the stick under the window handle and press down. The molding rolls on the sill, and the window goes up easily. *Mrs. Sam C. Mitchell, Kansas City, Kansas.*

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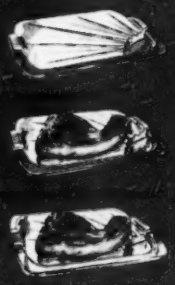
The Spotlight's on

ROPER

"America's Finest Gas Range"



Lets You BROIL...
Lets You STEAM
from the same delightful
"SIZZ-HOT" GRILL
*ROPER Jewel

Examine the magnificent ROPER Gas Ranges at your local ROPER Retailer's. Then make your selection from 36-inch, 40-inch and extra-capacity "Town and Country" models. You can enjoy a new ROPER for use with any kind of gas, including Liquefied Petroleum (Bottled Gas).

*TIME-SAVING, FLAVOR-COMPELLING

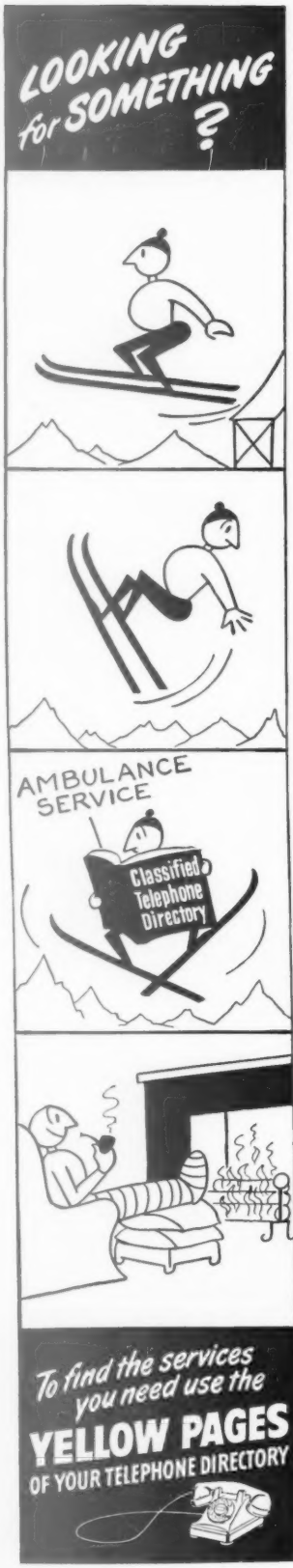
Jewels of Cooking Performance

"Staggered" Cooking Top
"Simmer-Speed" Burners
"Insta-Flame" Lighters
"Insta-Matic" Clock Control
Infra-Red "Glo" Broiler
Big "3-in-1" Oven

SEALS OF APPROVAL

Write For Free Descriptive Folder 5B.

GEO. D. ROPER CORPORATION
Rockford, Illinois

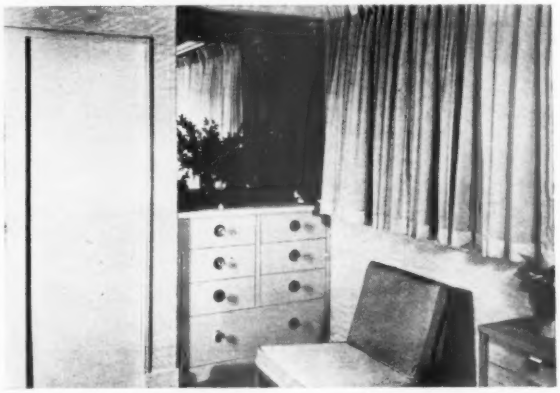


Bedrooms have privacy

stock door painted to blend in with the wall color which surrounds it.

Bedroom windows are grouped together on the street side, and sills are high enough above the floor so that furniture fits underneath them. Living-room windows, however, extend all the way to the floor, since privacy is a lesser consideration there.

Choice of exterior materials keeps to a minimum the amount of time and money you spend on maintenance. Unpainted brick needs only an [*Continued on next page*



In the owners' bedroom a corner between closets and windows is filled with built-in drawer space, and mirror is cut to fit the corner. Curtains are maize-colored nylon that match the yellow, softly textured wallpaper

On one wall of small bedroom, cabinets and chests were placed in a line, then tied together by glass shelf that forms the dressing table

Tape it easy!

A strip of Cellophane Tape along the back of your galoshes will keep stockings from wearing or streaking.

REG. U.S. PAT. OFF.
SCOTCH BRAND
Cellophane Tape
TRANSPARENT AS GLASS
Buy It At Your Favorite Store

Tips on everything from gift wrapping to mending picture frames in our new booklet "Tape It Easy!" Send for your free copy today to Minnesota Mining & Mfg. Co., 942 Fauquier Ave., St. Paul 6, Minn.

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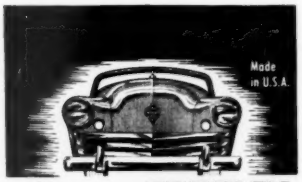


Big new **CROSLEY**

Coming or going, it's the Smartest car on the road!

Crosley is truly a fine car. Again Crosley leads the way with America's highest compression ratio—7.8 to 1. Even more power, and greater economy—up to 50 miles a gallon. Costs less than an 8-year-old high-upkeep used car. Prices range downward from the Station Wagon at only $929 F.O.B., Marion, Ind.

NEW CROSLEY SEDAN DELUXE is bigger! New speed line styling, rich interior, choice fabrics. Seats 4 with ample luggage room.

NEW CROSLEY STATION WAGON with larger, longer body lines. Seats 4, or 2 with ½ ton load. All steel. No increase in price.

CROSLEY *a FINE car*

See all five Crosley models at your dealer's. Or write for catalogue—Crosley Motors, Inc., 2530-RB Spring Grove Ave., Cincinnati 14, Ohio.

Flexscreen

Beauty and MORE!

Shimmering folds drape your fireplace with grace and charm. The flexible, woven-metal curtains are *sheer*, for full view of your fire's dancing fascination. Yet they're *sparkproof*, for your furnishings' protection—and your safety! Both curtains open or close at one time with Unipull. At better stores everywhere.

Write us at 249 Brook St., Norwich, N. Y., for illustrated Flexscreen folder.

BENNETT-IRELAND INC.
Established in 1904
NORWICH, NEW YORK

A HOUSE THAT SAYS

Hello!

Cabot's Collopakes make your house look so clean and bright and cozy, it seems to bid everyone a friendly welcome.

This is because our *patented Collopaking process* produces fresh durable colors, a velvety-smooth surface, and the amazing hiding power that makes Cabot's Collopakes so economical to use.

FREE! COLOR CARD AND BOOKLET, "The Little White Book" with pictures of 10 Prize Houses and complete information about Cabot's Collopakes. Write to:

Samuel Cabot, Inc.
213 Oliver Building
Boston 9, Mass.

occasional repointing. Natural redwood siding is shellacked and waxed, needs only a biennial rewaxing. Window trim and doors are the only items that require painting.

THE stores listed below operate permanent Home Planning Centers, featuring the *Better Homes & Gardens* Five Star Plan Service. At each store you can obtain advice and assistance, without cost, in planning, building, furnishing and equipping your new home, or remodeling your present home. You are cordially invited to take advantage of this complete Home Planning Service. Visit the Home Planning Center near you today.

Akron—The M. O'Neil Company
Albany—W. M. Whitney & Co.
Binghamton—McLean's Dept. Store
Birmingham—Loveman, Joseph & Loeb
Bloomington—Livingston's
Boston—Jordan Marsh Company
Brooklyn—Abraham & Straus
Buffalo—The Wm. Hengerer Co.
Cedar Rapids—Smulekoff's
Chattanooga—Miller Bros.
Chicago—First Federal Savings & Loan Assn.
Cleveland—The Higbee Company
Dayton—The Rike-Kumler Co.
Denver—The Denver Dry Goods Co.
Des Moines—Younkers
Detroit—The J. L. Hudson Co.
Enid, Oklahoma—Long-Bell Lumber Co.
Ft. Wayne—Wolf & Dessauer Co.
Hartford—G. Fox & Co.
Indianapolis—L. S. Ayres & Co.
Lansing—J. W. Knapp Co.
Lincoln—Gold & Co.
Los Angeles—Barker Bros.
Louisville—The Stewart Dry Goods Company
Milwaukee—Gimbels
Minneapolis—L. S. Donaldson Co.
Muncie—Ball Stores
New York—The Franklin Society for Home-Building and Savings
Oakland—Breuner's
Oklahoma City—Harbour-Longmire
Omaha—Orchard & Wilhelm
Peoria—Block & Kuhl
Philadelphia—Gimbel Brothers
Phoenix—Dorris-Heyman
Pittsburgh—Joseph Horne Co.
Richmond—Miller & Rhoads
Rochester, New York—McCurdy's
Sacramento—Breuner's
San Diego—V. J. Lloyd, Inc.
San Francisco—Macy's
St. Louis—Stix, Baer & Fuller
St. Paul—The Golden Rule
Silver Spring—The Hecht Co.
South Bend—Robertson Bros.
Spokane—The Bon Marche
Springfield, Massachusetts—Forbes & Wallace
Stockton, California—Breuner's
Tampa—Maas Brothers
Tulsa—Dickason-Goodman
Washington—The Hecht Co.
Wheeling—Stone & Thomas
Worcester—Sawyer's
Youngstown—The Strouss-Hirshberg Co.

Models of *Better Homes & Gardens* Five Star homes are frequently shown in the stores listed above. Inquire at the Home Planning Center for showing dates.

Plans and Home Plan Book

Better Homes & Gardens Five Star Home 1902, featured in this issue, is one of the series of one- to four-

[*Turn to page 145*

Speed Queen

7 full loads in 1 hour!

for America's fastest washday

With a Speed Queen, there are no series of "cycles" to wait for. You can keep loading your Speed Queen, at 5 to 10-minute intervals, and finish your week's wash in a matter of an hour or so. This saving in *time* — in *hot water* — in *soap* — plus *low initial cost* — all contribute to giving you America's fastest and lowest-cost home laundry service.

See your Speed Queen dealer — or write for a free copy of "ANSWERS TO YOUR HOME LAUNDRY PROBLEMS."

BARLOW & SEELIG MFG. CO.
98 Doty Street Ripon, Wisconsin

Do your washing comfortably seated, in half the time, with an Automatic Speed Queen heater.

SPEED QUEEN

Built by Home Laundry Equipment Specialists Since 1908

How old are you in your daughter's eyes?

Suppose a younger woman comes to you again and again full of enthusiasm for discoveries she has made. And you show that you are indifferent to almost all of her new ideas. Then don't be surprised if she thinks you "set in your ways"—and "old". . . You are probably also missing some excellent suggestions.

To many girls Tampax is an important discovery indeed—a sensible, practical way to provide for monthly sanitary protection. Tampax discards belts, pins and external pads. It is worn internally and *cannot be felt* when in place. No hampering bulk or chafing. No odor—because odor cannot form. No need to remove before taking bath.

Tampax was invented by a doctor and is now used by *millions*. Made of compressed absorbent cotton, each Tampax is firmly stitched and enclosed in an efficient applicator. Changing is quick. Disposal easy (only 1/9 the size of external pad). Average month's supply slips into your purse. Buy at drug store or notion counter and have ready when needed. *Three absorbencies:* Regular, Super, Junior. Tampax Incorporated, Palmer, Mass.

Accepted for Advertising by the Journal of the American Medical Association

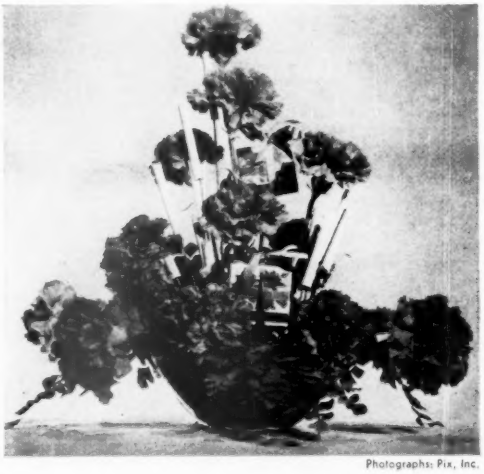
New baby? Send these useful gifts

By Fae Huttenlocher

THE happiest time to send a gift of flowers is to welcome the arrival of a new baby. Why not make your gift useful as well as beautiful? Then it will be appreciated long after the flowers are gone.

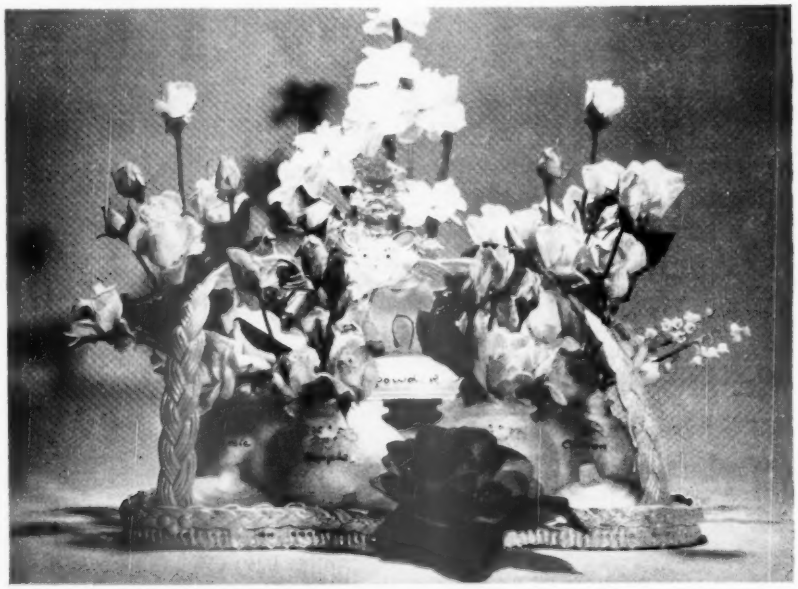
One of the flower arrangements is for the new dad's desk. The other two are for Mother.

Husky bouncer is an amusing gift to welcome a baby boy. The figure is made of weighted plaster and can be used later for book end or a nursery doorstop. Miniature boxing gloves add the masculine touch



For the new father—send it to his office. He has to be ready with a handout. There are buttonhole carnations for some friends, cigarettes for others. Match holders with "It's a boy" or "It's a girl" printed on cover are held in place by wire holders

Photographs: Pix, Inc.



Enamel basket or toilet tray holds frosted glass bowls for Baby's toilet needs. These will come in handy all during Baby's first year. Remove lids and tuck seasonal flowers into the bowls. Fasten a lovely camellia, gardenia, or rose with a bobby pin to base of the tray. Mother will take the flower off and put it in her hair

Is your child's future worth a Wurlitzer?

You want a Wurlitzer piano. You know it will make your home a happier one. Happier because it will be lovelier. Happier because a piano draws the family together. Happier because such a fine instrument is a home center for fun and relaxation.

These are good reasons, but there's a better one. A Wurlitzer in your home can help your children go further in life. Like a good education, a Wurlitzer is an investment in your child's future. An investment that pays rich dividends in poise and popularity and social success. In developing character and personality and, who knows?—a glowing career!

Is the size of the investment holding you back?

It needn't. For though a good piano is not cheap, the Wurlitzer costs *less than you think!* No piano made contains finer parts or costlier materials, yet the price is far below that of many other famous makes. Why is Wurlitzer able to bring you a *quality* instrument at a *moderate* price? The reason is simple:

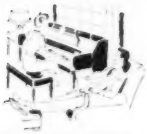
More people buy Wurlitzer pianos than those of any other name!

WURLITZER *pianos*

THE RUDOLPH WURLITZER COMPANY, DE KALB, ILLINOIS

Wurlitzer pianos are available in a wide variety of styles, both modern and traditional, and in many beautiful finishes. $495 to $975.

WHEN SHE HAS DATES...
The girl who can play the piano is a more popular girl, more poised and more sure of herself. A Wurlitzer in her home encourages home entertaining, wholesome recreation.



WHEN SHE MARRIES...
Nowhere is a woman's charm and grace more evident than at the piano. A Wurlitzer contributes to the serenity and companionship that make for happy married life.

IF SHE HAS TALENT...
A Wurlitzer in the home may open the doors to a glorious career. But talent or no, playing the piano will be a source of satisfaction and pleasure for the rest of her life.

Cape Cod

HAND-CRAFTED CRYSTAL

Complete TABLE SERVICE

Serve tall drinks in this Footed Ice Tea

Above: Tall Sherbet for constant use

Below: Designed for wine table service

Left: For Cocktail time, use Cape Cod

Below: Cape Cod salad plate, also available in bread and butter and dinner sizes.

Above: The perfectly proportioned Water Goblet

The More You *Use it*—
The More You *Like it!*

Good design is never obsolete—
it continues to grow and enhance
in beauty with the years

Cape Cod, a pattern in which yesterday and today are attractively combined, is offered by fine stores everywhere. *Crafted* by artisans at the Imperial Glass Corporation, Bellaire, Ohio.

The Killingsworths

They cut costs with ideas

THE Killingsworths—whose window story is told on page 54—had other problems that might have meant costly remodeling. There was the problem of what to do for a living-room entry, and the problem of inexpensive carpeting for a temporary home. The Killingsworths solved those problems, too, and here's how they did it.

Killingsworths got the effect of an entry with grill made from inexpensive molding. Recessed lighting in plywood trough painted to match ceiling illuminates sofa, highlights papered wall. Coffee table topped with corrugated glass is homemade. "Island" tables were rare bargains

Unused drive becomes patio

IF YOU'RE wondering what is behind the pergola and high board fence of the Killingsworths' home in the story on page 54, these pictures take you backstage. The Killingsworths wanted an outdoor living room and a place for their son Gregor to play. They enclosed an unused driveway outside the dining-room door with a tall redwood fence. Half of the patio was already paved with cement left over from the driveway, and Mr. Killingsworth covered the rest with brick laid in a basket-weave pattern. A sandbox for Gregor was added to one corner and shrubs and vines were set off by redwood planks. The Killingsworths have created a background for gracious living—outdoors as well as indoors—on a firm budget.

Killingsworths' patio is screened from the street by redwood fence and a pergola over the old driveway. Enclosed patio provides a protected play area for Gregor. At this end he has a sandbox built of redwood that fences patio. Planting box at right brings garden into patio. Fence is topped with plastic screening that looks like opaque glass

Begins on page 54

that you can use

Laura Killingsworth's large shag rug is three small rugs that she can put in the washing machine, whipstitch together. The carpet in the living room—and throughout the house—is fiber matting, purchased in sections and sewed together. It can be scrubbed with soap and water

and safe spot for a child

Patio is pleasant place for entertaining. Shade is provided by a bamboo blind stretched across yellow beams. Shade can be rolled back. Until they can buy more outdoor furniture to go with green canvas sofa, Killingsworths use webbed chairs and "island" table from living room. Bricks set in basket-weave pattern make inexpensive paving for patio

if your heart's set on...

Automatic Cooking New Gas ranges cook complete oven meals by simple clock control!

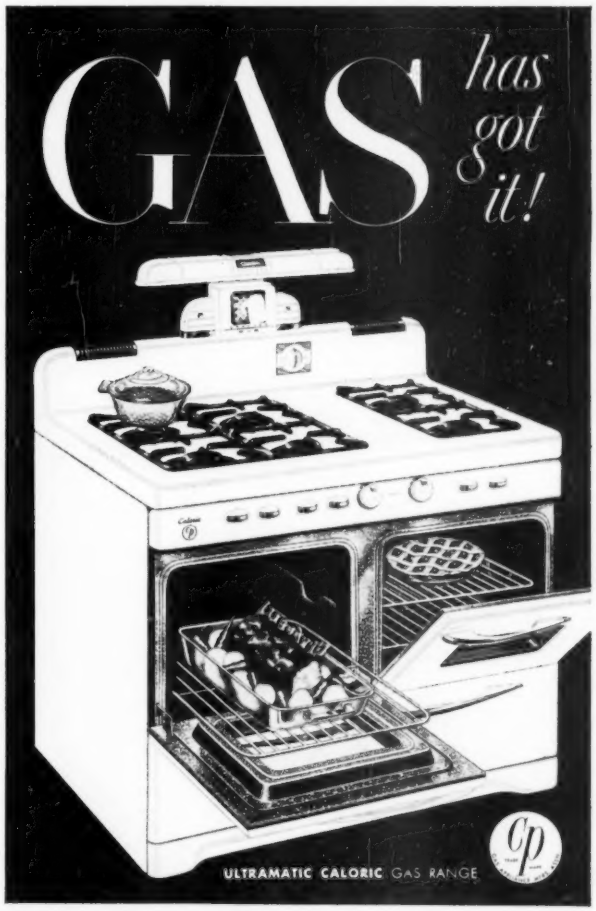
Automatic Lighting Top burners, oven, broiler—all light instantly without matches!

Split-Second Speed Only Gas gives you any of dozens of exact heats without waiting!

Featherlight Cakes Only air-circulated Gas ovens bake so uniformly, brown so evenly!

Char-Type Steaks Gas gives you perfect broiling results from rare to done through.

Streamlined Design No dirt-catching cracks! Gas burners are non-clog, broilers smokeless!



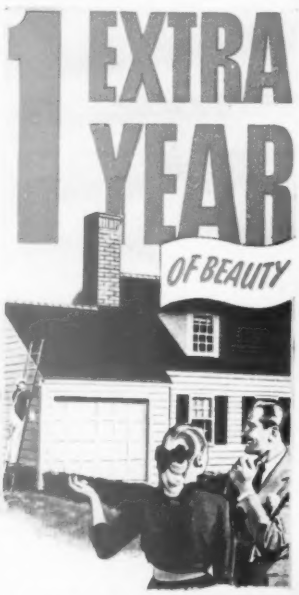
More women are buying new Gas ranges than all other types combined! This CALORIC "CP" Gas range tells you why—as do all other equally fine "makes" built to "CP" standards. Choose the one that fits your family at your Gas company or appliance store. And for the next step in your "New Freedom Gas Kitchen,"* get a silent, trouble-free Servel Gas refrigerator. It's *tops* in food preservation!

AMERICAN GAS ASSOCIATION

*CERT. MARK, AMER. GAS ASSOC., INC.

More on next page

Something Extra has been added to famous SWP House Paint



SWP House Paint stays whiter, brighter—longer!

Best buy in home protection, for over 80 years . . . that's Sherwin-Williams SWP House Paint! America's favorite, SWP now brings you a great big extra bonus—beauty that lasts a full year longer than before!

In its whiter, brighter whites—or in its cleaner, more beautiful colors—SWP gives your home a "freshly-painted" look that stays on and on! More homes are painted with Sherwin-Williams SWP than with any other brand of paint. Today, more than ever, it's your greatest house paint value!

FREE BOOKLET on painting your home with SWP House Paint is now available at all Paint Service Center Dealers who display the "Cover-the-Earth" emblem.

SHERWIN-WILLIAMS PAINTS

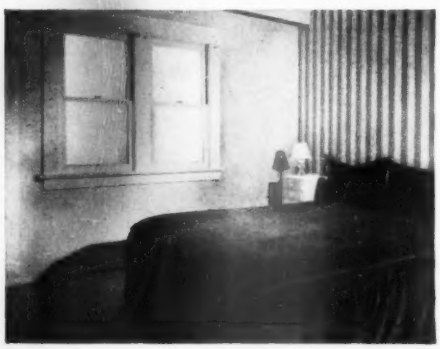
LOCATE YOUR NEAREST S-W DEALER IN THE CLASSIFIED SECTION OF YOUR TELEPHONE DIRECTORY

The Killingsworths *Continued from preceding page*

Bedroom windows become a wall of draperies

THE Killingsworth's window problems weren't limited to their living room and dining room. Their bedroom windows were another challenge. They were small, but they defied a deft touch. Tieback curtains wouldn't hide the heavy woodwork; sill-length glass curtains would only leave the wall with a well-chopped look. Laura and Ed Killingsworth decided to use the same strong treatment that had worked in the other part of the house. When they finished, they were glad their windows had forced them to be bold.

Bold treatment, again, turned the trick here



Killingsworths found that by draping entire wall they had given it unity. They used glass curtains to conceal the windows and woodwork. Both curtains and draperies were hung from the ceiling to give the windows luxurious height

WHAT Oil Heat Equipment *is always installed right?*

PETRO REG. U. S. PAT. OFF.

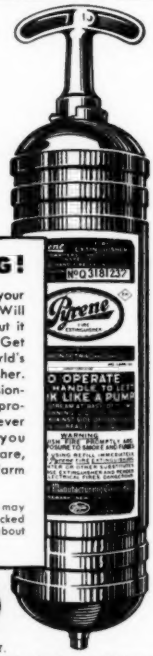
OF COURSE!

When you select a Petro, your heating contractor makes the installation. With his experience and technical information, he knows how to put in your Petro correctly—so it will give you many years of fine low-cost performance.

Sold and installed by heating contractors everywhere

PETROLEUM HEAT and POWER CO.
Stamford, Conn.

Since 1903 — *Makers of fine oil heating equipment for home and industry*



WARNING!

Fire may strike your home tomorrow. Will you be able to put it out? Play safe! Get PYRENE*—the world's finest fire extinguisher. PYRENE is precision-made for *sure* protection . . . whenever and wherever you need it. At hardware, home, auto and farm supply stores.

FREE! A booklet that may save your life—packed with important facts about home fire protection.

Pyrene

*T. M. Reg. U. S. Pat. Off.

PRECISION-MADE FOR SURE PROTECTION

Pyrene Manufacturing Company
571 Belmont Ave., Newark 8, N. J.
Affiliated with C-O-Two Fire Equipment Co.

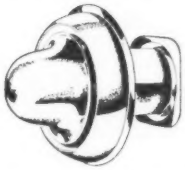
Have You Tested Your Fire Extinguisher Lately?

Save time, trouble and expense with a Cutler-Hammer Multi-Breaker

Why tolerate the blown fuse nuisance any longer? Why hunt fuses in the dark . . . or break off in the midst of preparing a meal to go to the store for the new fuses you forgot to buy? Why stumble down dark cellar stairs and fumble in the old fuse-box wondering what to do? The Cutler-Hammer Multi-Breaker ends this annoyance forever. It is installed in the kitchen or any other convenient place. And when service goes off, all you do is reset a tiny lever that has snapped out of position. Nothing to buy . . . nothing to replace! Service is restored in the twinkling of an eye . . . even by a child! The average new home can have this modern and safe protection for less than $5.00 additional. Also easily installed in old homes. How much will it cost *you?* What are *all* the facts? Write today for our free booklet "Goodbye to Fuses." CUTLER-HAMMER, Inc., *Pioneer Electrical Manufacturers,* 1396 St. Paul Ave., Milwaukee, Wis.

FREE BOOKLET—Tells facts about new, better home electrical protection. Write TODAY for your copy.

The Kitchen-aire EXHAUST FAN is Different..!



★ It gives you maximum efficiency: the exhaust grill may be mounted above the cooking range, even if the range is located on an inside wall.

★ It is fire-safe: grease-laden air is NOT drawn over motor.

★ It is quiet: operating mechanism is mounted OUTSIDE your wall.

★ It is weatherproof: back-draft damper protects against heat loss: operating mechanism is housed in corrosion-free aluminum.

★ It is ideal to make your kitchen cool, clean, odor-free; your recreation and bath rooms daisy-fresh; your basement dry.

★ It is economical: grease and moisture-laden air is not deposited on kitchen walls—saves on cleaning; low in cost, easy to install.

★ It is electrically operated, can be installed in new or old houses . . . yes, indeed, the Kitchen-Aire fan is DIFFERENT.

Write for particulars and the name of your nearest dealer. Dealer and distributor inquiries welcome.

STEWART MANUFACTURING CO.
3209 E. Washington St., Indianapolis, Ind.

Cooking secrets

By Genevieve Callahan

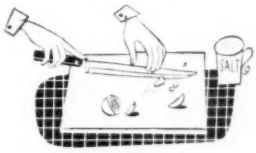
To make crumbs stick to chops or croquettes, first roll the chops or croquettes in *flour*, then dip them into beaten egg, then into crumbs. Let stand a little while if possible. This lets coating dry slightly so fat won't spatter during frying.

For fluffier meat balls, soften bread crumbs in hot milk instead of in cold milk. This softens and fluffs the bread quickly and makes meat balls lighter and more tender. When you add the bread to the meat, mix *lightly* with a fork.

When you cool a cake, turn it onto a rack and put absorbent paper towels under the rack to absorb some of the steam. Otherwise the cake may get soggy on the underside.

Hot stuff. To make really hot mustard (the kind your husband gets at his favorite restaurant): Stir *boiling* water into dry mustard, about 3 tablespoons water to 1 of mustard. Cool, then add salt to taste, and a little salad oil to keep mustard from drying out. Let stand about 20 minutes before serving. Eat at your own risk with ham or corned beef. It's hot!

Garlic tips



Mash garlic with salt when you want garlic seasoning in a casserole. Put the peeled cloves of garlic on a small chopping board, slice them and sprinkle thickly with salt. Then, holding the blade of the knife almost flat, thoroughly mash the garlic with the salt.

To garlic a salad bowl, use a wooden potato masher (a toy one is fine) to mash and rub the garlic over the inside of the bowl. Discard what's left of the garlic.

How to cook garlic. Most spaghetti-sauce recipes that call for garlic and onion say to cook them in fat first. Garlic burns and blackens more quickly than onion does, so cook the onion first—until it's tender. *Then* stir in the garlic.

FLUFF-DRI CLOTHES

Fresh-as a Daisy

in minutes—not hours!

Think of the extra pep you'd have—the hours you'd save—if you never had to hang out another wash—if you could dry it all *indoors* with a Hamilton Automatic Clothes Dryer!

No more struggling with heavy baskets—clotheslines—clothespins! Just put the clothes into your Hamilton, flick the switch and in a matter of minutes your clothes are gently tumbled fluffy-dry and wrinkle-free.

"But wait," you say! "How about the fresh air and sunshine on my clothes and linens? I like that. I want that."

Madam, good old Science thinks of everything! There's a powerful ultra-violet Sun-E-Day lamp in your Hamilton. It sanitizes your clothes and sweetly freshens them with genuine sunshine-and-breeze *ozone.* They smell like the breath of Spring.

How *about* that? How about calling on your Hamilton dealer? (For his name, call Western Union by number and ask for Operator 25.) HAMILTON MANUFACTURING COMPANY, TWO RIVERS, WISCONSIN.

In Canada the Hamilton Dryer is known as the Coffield-Hamilton Automatic Clothes Dryer, and distributed by Coffield Washer Co., Hamilton, Ontario.

Hamilton
Automatic
CLOTHES DRYER
GAS AND ELECTRIC MODELS

Until you actually enjoy it, you'll never know how comfortable the "Chamberlin System" can make your present home! You'll enjoy warmth in winter, big fuel savings, year after year, coolness in summer, protected by Chamberlin ROCK WOOL INSULATION blown in wall-thick; and when Chamberlin's experts "tailor-fit" rustproof metal WEATHER STRIPS in windows and doors, you'll be protected from unhealthy drafts and infiltration of rain, dirt, and dust; you'll enjoy still more fuel savings and real comfort with Chamberlin's all-metal STORM WINDOWS quickly changeable from inside.

Chamberlin is the *only* complete 3-way home comfort service! Nation-wide Chamberlin has 40 factory branches, a thousand factory-trained mechanics, over 50 years' experience in adding comfort and economy to nearly 3 million homes and buildings. Chamberlin assumes all responsibility for your lasting satisfaction.

Proper installation is half the job . . . Chamberlin does it right! It's a once-in-a-lifetime buy . . . be sure you get Chamberlin! See the man who knows "all three" home comfort services . . . your Chamberlin Man (see the phone book). Easy budget terms! For free survey, no obligations, call your Chamberlin Man or mail coupon today!

OTHER buildings, too!

Hospitals, churches, rectories, schools, public and private institutions, theaters, hotels, stores . . . these and many more are being served by the "Chamberlin System." Write for facts.

Chamberlin Company of America,
Dept. 42, 1254 LaBrosse Street,
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OVER 50 YEARS OF SERVICE
CHAMBERLIN
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☐ Please mail free book, "A Guide to Home Comfort"

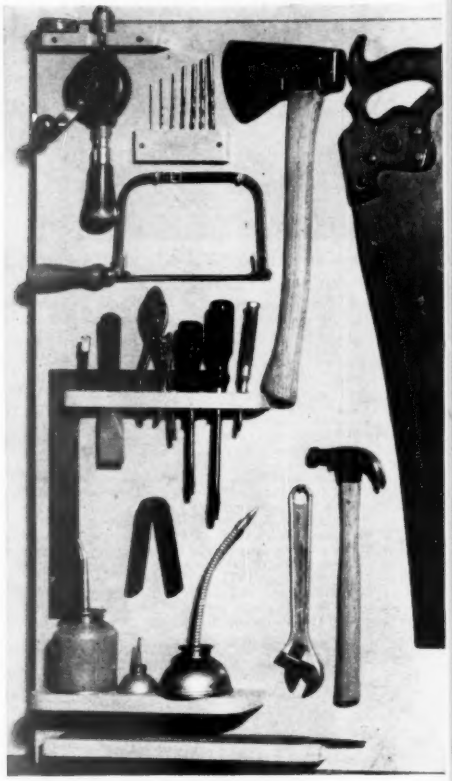
Please send Chamberlin Man to make free survey (at no obligation) on ☐ home or _____ (type of building)

Now own ☐ Now building ☐ Student Data ☐

Name _____

Address _____

City _____ Zone _____ State _____

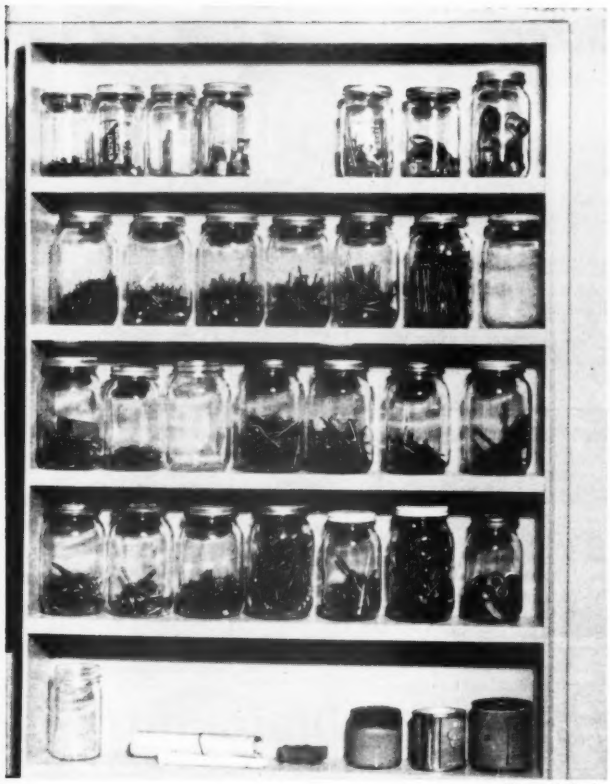


Your BASIC home

THE more tools you own, the more money you can save by making home repairs. But where should you start?

The photograph shows the basic hand tools, together with supplies like nails and screws you should have. Tools that call for special skill are omitted. This is a good place to start, even if you hope to have a mechanized shop someday.

Tools	The best kind	Use
Metal measuring tape	Six-foot rule that rolls up in a case. Handy for carrying in pocket or in purse while shopping	Measuring sizes of objects or spaces
Hand drill and drill points	Get a small drill, about 12 inches long, and seven drill points, 1/16", 3/32", 1/8", 5/32", 3/16", 7/32", and 1/4"	Drill pilot holes for nails and pilot and anchor holes for screws
Hand ax or hatchet	Small, lightweight. Buy the best quality so it will hold a sharp edge	Splitting wood, cutting kindling, pointing stakes
Handsaw	A 26-inch crosscut saw, 10 points to the inch. Quality really pays	Sawing wood
Coping saw	Steel frame, to take 6½-inch pin-end blades	Small cutting jobs on wood or soft metal
One-foot square (or try square)	Get one with clear, legible markings	Marking boards before sawing and testing results
Nail set	Best quality, with a machined point that won't slip	To finish driving nails, and to set finishing nails beneath the wood's surface
Putty knife	Blade about 1½ inches by 3¼ inches	Scraping flat surfaces, applying putty, wood plastic, calking compound



Photograph: Stanley

tool shelf

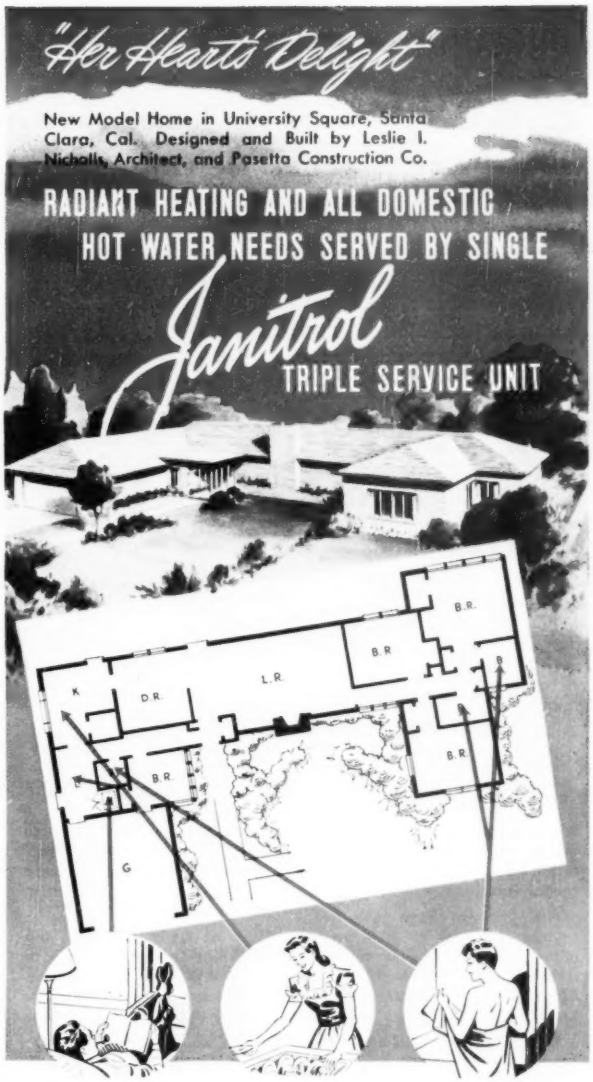
By Richard R. Kyl

Note the compact, efficient storage board. It is built of plywood, held with screws. Each hanger fits a specific tool, which makes it easy to keep everything in perfect order.

Below is a tabulation of the tools pictured, identified from left to right starting at the top left-hand corner. Be sure to buy good tools; you'll save money in the end.

Tools	The best kind	Use
Pliers	Adjustable slip joint, 6 or 8 inches long	Cutting wire, holding nuts while inserting bolts, etc.
Glass cutter	With wheel and notched head. Best quality is inexpensive	For scoring glass before breaking
Screwdrivers	One with 4-inch blade and one with 6-inch blade for general use. Nest of small screwdrivers	Use the screwdriver that best fits the work you are doing
Magnet	Any kind will do	To keep tacks under control as you use them
Oil cans	One large, one small, and one with a flexible spout, each with a different grade of oil	Household oiling needs
Crescent wrench	Get a 10-inch wrench with a jaw wide enough to fit plumbing cleanouts	Minor plumbing repairs
Claw hammer	A 7-ounce, No. 12, Size 3, can be used for both tacks and nails. For heavy nailing, get a 16 ounce hammer	Driving and pulling nails
File	Single-cut mill file, 10 or 12 inch	Filing off rough edges of metal

See next page for list of supplies



Radiant Heating With Circulated Hot Water.

Dishwasher and Laundry, High Temperature Hot Water.

3 Bathrooms, Moderate Temperature Hot Water.

EVERY step in the planning of this beautiful ranch style home was made to secure the utmost in charm and distinction . . . every modern convenience was incorporated to assure ease and comfort. Radiant heating was specified for its cleanliness, unvarying warmth and practicability for the single floor plan without basement. Janitrol was selected as the most modern hot water heating system, also because a single unit provides ample hot water at the right temperature for the automatic dishwasher and the laundry, as well as a more moderate temperature hot water for the three bathrooms.

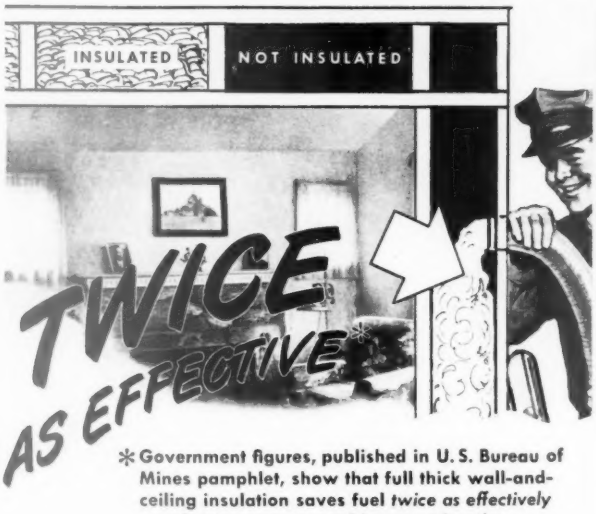
While Janitrol was selected for "Her Heart's Delight" because only the finest would do, its use is not confined to higher priced custom built homes . . . Janitrol Triple Service Systems are installed in hundreds of medium priced homes. These modern Janitrols, both gas and oil-fired, are also widely used with convectors, the new type, space-saving radiator . . . in these installations the temperature of each room is individually controlled.

For double assurance of dependable heating comfort and all your hot water needs, Janitrol is installed only by thoroughly experienced heating specialists. Call your local Janitrol dealer or write us for complete information.

SURFACE COMBUSTION CORPORATION • TOLEDO 1, OHIO

HEATING COSTS ARE UP!

One million home owners will tell you your best step to save fuel is Johns-Manville HOME INSULATION



***Government figures, published in U. S. Bureau of Mines pamphlet, show that full thick wall-and-ceiling insulation saves fuel *twice as effectively* as other treatments used in protecting the average house against heat losses.**

● You know, at today's high prices for fuel, a saving of up to 30% really *amounts* to something—a *major economy*.

And you can *have* such fuel savings . . . up to 30% *year after year* . . . when your house is completely insulated by a Johns-Manville "Blown" Home Insulation Contractor.

Carefully selected and approved by Johns-Manville, he is trained to "blow" J-M Rock Wool *scientifically*, in full measure, to prevent heat-leaking "voids" and give you *full benefits*. In addition to fuel savings, you'll have extra protection against fire, a warmer home in winter, up to 15° cooler in summer!

Why let HOLLOW walls and plaster-thin ceilings continue to rob you of precious fuel and comfort? The most effective step you can take is to insulate those *hollow* spaces.

Your approved J-M "Blown" Home Insulation Contractor can arrange *easy monthly payments —FHA approved terms.*

Send for **FREE** *book!*

JOHNS-MANVILLE, Dept. BHG-2
Box 290, New York 16, N. Y.
Please send me FREE copy of your 24-page book, "Comfort that Pays for Itself."

Name_____
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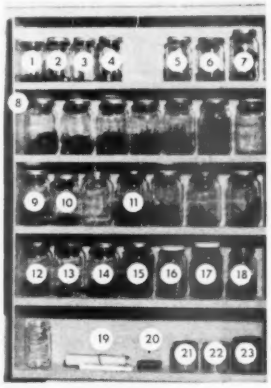
JOHNS MANVILLE JM PRODUCTS

Johns-Manville
"BLOWN" HOME INSULATION

Listen to Bill Henry with 5 minutes of the latest news brought to you by Johns-Manville, 9:55 P. M., EST, Monday through Friday, over your Mutual station.

Your basic home tool shelf

Begins on page 142



Supplies

Top shelf, left to right:

1. Screen staples, blued steel, with a square bend at the top
2. Cut tacks, small and large
3. Glazier's points, for holding window glass in place
4. Picture hooks and nails
5. Assorted cotter pins
6. Faucet washers and hose washers
7. Fuses and plug bases.

Second shelf:

8. Blue tinners' nails and common or box nails, $1\frac{1}{2}''$, $1\frac{3}{4}''$, $2''$, $2\frac{1}{2}''$, and $2\frac{3}{4}''$. Box nails are thinner than common nails, hence will bend more easily. But they do not split wood as readily as common nails.

Third shelf:

9. Assorted small brads and flathead nails. Also a roll of friction tape
10. Brads, $\frac{3}{4}''$ and $1''$
11. Finishing nails, $1\frac{1}{2}''$, $2''$, $2\frac{1}{2}''$, and $3''$, each size in its own jar.

Fourth shelf:

12. Assorted screw eyes
13. Assorted screw hooks, "L" and "C" shaped, and cup hooks
14. Mixed small round-head and flathead screws
15. Assorted medium-sized flathead screws
16. Assorted medium-sized roundhead screws.
17. Assorted small bolts and nuts
18. Assorted metal washers.

Bottom shelf:

19. Assorted sheets of sandpaper and hinge wax, the latter for silencing squeaky hinges.
20. Beeswax, used to lubricate screws before setting
21. Jar of wood plastic
22. Can of waterproof glue
23. Can of putty.

Parents must consider these things

The trouble with raising a child
by the book
You worry clear out of your mind
On whether according to page so
and so
He's normal, ahead, or behind.

—Helen Castle

Talk about Versatility.. THIS HANDY DRILL is in a CLASS by ITSELF!

Home-Utility ¼" Drill $18.95

Drilling for Cabinet Work
Sanding Curves, Corners, Flats
Grinding Off Burrs
Sharpening Tools and Knives
Polishing Hardware
Removing Rust and Old Paint
Drilling Out Broken Rivets

"I used to think a Drill was only for drilling—but my Home-Utility ¼" Drill has enough power and speed for sanding, light grinding, buffing and wire brushing, too! And for better, faster workshop drilling, it's a world-beater. Just when you think you've exhausted its uses, you'll find new ones for this handy Home-Utility Drill. To top it off, it's built by BLACK & DECKER, the people who've been making quality electric tools for 38 years. That means a powerful motor, husky housings, full-size gears and bearings. At only $18.95, you won't find a bigger value!"

Order Home-Utility Tools from your hardware, electrical or implement dealer.

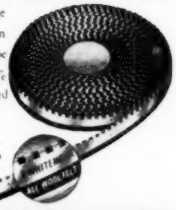
ELECTRIC HOME-UTILITY TOOLS

Products of
THE BLACK & DECKER MFG. CO.
Dept. H2B, Towson 4, Maryland

Nu-WAY
WEATHER STRIP FOR WINDOWS AND DOORS

KEEPS COLD OUT · HEAT IN

Easiest strip in the world to put on. Can be used on any type door or window. 100% all-wool felt, reinforced with white metal.



Mecklenburg Duncan Co.
Oklahoma City 1, Oklahoma

MECKLENBURG DUNCAN QUALITY PRODUCTS

AT LEADING LUMBER YARDS AND HARDWARE STORES

MEND BROKEN TOYS with

EASY! No skill required. Handles like putty.....and hardens into wood.

PLASTIC WOOD

A CELLULOSE FIBRE FILLER

IN CANS OR TUBES

WON'T CHIP OR CRACK

WRITE FOR THIS
Free Booklet

It's fact-packed with ideas of real value for home owners, prospective home owners and remodelers. Includes the styles which architects believe best suited for attractive, low-cost reinforced-concrete, the modern stucco exteriors. Tells the economy reasons why more and more contractors are using this siding material for partial or entire exteriors. Tells the low-maintenance cost facts based on the experience of home owners living in houses with this type of siding.

If you're going to build, buy, or remodel a home, find out how Keymesh reinforcing of quality concrete meets today's need for an exterior treatment that combines beauty with economy.

Write for your free copy today.

Home Service Division
KEYSTONE STEEL & WIRE COMPANY
1800 Keystone Ave., Peoria 7, Ill.

His Tongue is Quick...

The chameleon depends for his living on the speed of his tongue. It darts out nine inches or more catching insects literally on the wing.

but NOTHING is Quicker than GENERAL QUICKAID FIRE GUARD for Fighting Fire

Your life may depend on the speed of your fire fighting equipment. A few seconds may spell the difference between a tiny flame and an unmanageable blaze. Quick-Aid Fire Extinguishers save you precious seconds because they operate quickly, cleanly, efficiently. Quick-Aid Carbon Dioxide Extinguishers are available in all sizes from 2½ to 100 lbs. Underwriters' Approved for electrical, gasoline, and chemical fires. See your classified telephone book or write direct for your dealer's name. The General Detroit Corp., Detroit 7.

"We're trying to get her to play with dolls. She only likes to play with little boys."

This month's Five Star home

Continued from page 135

bedroom homes which make up the Five Star Home Plan Service. These homes, designed by America's foremost architects, range in style from Cape Cod to Contemporary, Traditional to Ranch-type. These are homes planned to give you maximum comfort, convenience, and beauty—at minimum building cost. *Better Homes & Gardens* Five Star service includes:

- ★ **Designs by skilled architects**
- ★ **Detailed working drawings**
- ★ **Cost-finding materials lists**
- ★ **Complete specifications**
- ★ **Contractor-owner agreements**

Working Drawings are detailed architect's drawings, from which your builder or contractor will build your home. They are complete in every way. Cost is $5 per set. Included with each set of working drawings are: 1) specification form outlining the quality of materials and workmanship you'll want in order to insure sound construction; 2) contractor-owner agreement form—a suggested legal contract to assure your home will be built as specified.

Lists of Materials—priced at 10 cents—are available separately for each Five Star home. With this list, your architect, building materials dealer, or builder can compute in advance the building cost of your home in your community.

These complete home-planning aids may be purchased at firms listed above or ordered direct from *Better Homes & Gardens*, Des Moines 3, Iowa.

When mailing your order, be sure to specify the Five Star home number. Enclose a money order, bank draft, or check, payable to the firm to which you write.

Home Plan Book: If you haven't selected a specific Five Star home plan as the home you want to build, *Better Homes & Gardens* new book, *Five Star Homes*, will help you make a choice. This 76-page book brings you photographs and floor plans of 66 Five Star homes. Price—50 cents. You can buy your copy at firms listed above or order direct from *Better Homes & Gardens*.

What's in the cards for you in 1949?

A HAPPY AND PROSPEROUS YEAR, we hope. But just to make *sure*, let's take a look ahead. Set-backs do happen—might happen to you.

For instance, your house *could* burn or be damaged by windstorm. You *could* have an accident that would cost plenty for medical expenses and loss of income. Someone *could* be injured on your premises, sue you and collect damages that would sweep away your savings. Burglars *could* call on you. Or . . . ?

You can't foresee these troubles. But it's possible to protect against them through insurance—to pay a *little* so as *not* to lose a *lot*. That's what insurance is for!

Let your Hartford agent or insurance broker show you how Hartford service and Hartford policies can be adapted to the needs of your family or business.

Your Hartford agent is easy to reach. In over 5000 communities you can find him quickly by simply calling Western Union by number and asking for "Operator 25."

Do it today and feel secure in 1949.

HARTFORD

HARTFORD FIRE INSURANCE COMPANY
HARTFORD ACCIDENT AND INDEMNITY COMPANY
HARTFORD LIVE STOCK INSURANCE COMPANY
Hartford 15, Connecticut

Year in and year out you'll do well with the Hartford

helps with the housework in a hundred ways

COSCO Folding Utility Table

Holds a heap of things you want handy in kitchen, laundry, nursery or sewing room—fine, too, for picnics and outdoor parties. All-steel, 29½" high, 21" x 34" top. Chromium-plated legs lock open—fold flat for space-saving storage. Easy-to-clean top finished in tough, baked-on enamel that resists chipping, scratching, staining. Choice of white, red, yellow, blue or green. See it at your favorite store, or write for name of nearest dealer.

HAMILTON MANUFACTURING CORPORATION • COLUMBUS, INDIANA

Makers of COSCO Household Stools

See also page 42

How to start your dwarf fruit trees

WHEN you decide to plant a fruit tree, much depends upon where you put it. Remember a tree will not be able to change its position. So select sites for your trees where growing conditions are good. See that there's drainage, that your trees will not be exposed to gales. Make certain they'll get sun for at least three-fourths of the day. And then start each with the careful planting shown here.

Photographs: Suter, Hedrich-Blessing

When your trees arrive, give them immediate attention. Cut cords on bundle, and cover tree roots with soil until you're ready to plant them. Here is a good method known as heeling in

In digging each hole, pile topsoil aside to use about tree roots. Use a straightedge to keep the original level, and dig hole wide enough for roots and deep enough to set tree at its former level

More on next page

Your Shoes are Showing!

Embarrassing, isn't it?

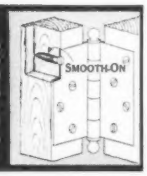
YOU NEED SHINOLA

1 Neat-looking shoes are an important part of good grooming.

2 Shinola's scientific combination of oily waxes helps keep shoes flexible—and new-looking longer.

3 Shinola is easy to apply and economical to buy. You'll find it pays to KEEP 'EM SHINING WITH SHINOLA. In Canada It's 2-in-1.

HOW TO MAKE LOOSE FIXTURES STAY TIGHT



You can tighten loose hinges, clothes hooks, bathroom fixtures, shelf brackets, drawer pulls, casters, door handles, tool handles and other loose parts around the house, garage, barn, etc. to STAY tight. Just use Smooth-On No. 1 Iron Cement, famous for repairs over 50 years. Simple to apply, hardens quickly and makes lasting repairs. Buy it in 1 ½-oz., 7-oz. or 1-lb. size at your hardware store. If they haven't it, write us.

FREE Repair Handbook

Write for this helpful 40 page guide to metal repairs of many kinds. 170 pictures. Send NOW for your free copy.

SMOOTH-ON MFG. CO., DEPT. 67B
570 Communipaw Ave., Jersey City 4, N. J.

Do it with SMOOTH-ON
THE IRON CEMENT OF 1000 USES

Turn tree so that a good low branch points to the southwest. This will help prevent winter sunscald. Spread roots like spokes

Cover roots first with topsoil. Mix 2 shovels of leafmold or peat, and a cup of plant food into rest of soil. Water, jostle gently

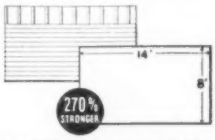
Keep tree at desired height and finish off with dry soil. Use commercial wrap, paper, or cardboard as protection against pests

More on next page

Here's 4-WAY PROTECTION when you build

● *against* **WEATHER**

Use Homasote Insulating and Building Board for interior or exterior finish and for every sheathing need. It is *permanently weather-proof* — provides lasting protection, great structural strength — your insurance of a dry and quiet home.

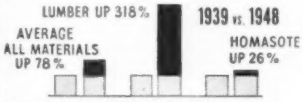


● *against* **EXTRA LABOR COSTS**

When you can sheathe an 8' by 14' area with one piece of material, you save many handling operations, many unnecessary nailing operations. Simultaneously you get extra strength. Homasote sheathing is *270% stronger* than conventional horizontal sheathing.

● *against* **CRACKED AND FALLING PLASTER**

Homasote Big Sheets cover the average wall in a single piece, make a perfect base for paint or wall paper. *You are forever free from cracks and falling plaster.*



● *against* **ARTIFICIAL PRICES**

Homasote's sales policy since 1909 is as stable as the material itself. *Homasote prices do not fluctuate on artificial factors.* This means sound investment value.

Mail the coupon today for illustrated folder suggesting many practical, money-saving and attractive uses for Homasote Big Sheets.

Weatherproof **HOMASOTE**

BIG SHEETS

up to 8'x14'

HOMASOTE COMPANY
Dept. 12, Trenton 3, N. J.
Send me free folder on Homasote and its uses.

NAME (PLEASE PRINT IN PENCIL)

ADDRESS

CITY & ZONE STATE

Little sleepy head

Little rascal! He can't resist the drowsy comfort of Pepperell Sheets another minute . . . How *smooth* they are, and —how well they wear! Pepperell buys selected cotton—weaves each inch for extra strength. *All* Pepperells are luxury-finished by a special process that removes short, fuzzy fibers. Pepperell makes *all four* types of sheets —luxury or utility muslins, finest all-combed-yarn percales, regular percales. See them in white and "personality colors," at your favorite store!

☆

PEPPERELL'S BUY-GUIDE—gives you complete quality information—details of thread count, texture, tensile strength, fine-stitched hems, Tapered Tape Selvages. Pepperell Manufacturing Company, Boston, Massachusetts.

PEPPERELL

Sheets and Blankets

Start your dwarf fruit trees

Continued from preceding page

Fit protector close to ground, form shallow saucer over root area. Fill with mulch of straw, chopped hay, ground corncobs, or grass

First pruning decides shape of tree. Use very sharp pruners or knife. Leave only chosen low branch and 4 to 6 other strong ones in upward spiral about trunk. Cut these back half way

Before you leave the newly set tree, untwist wire of name tag. Replace with label that cannot cut bark as the branch grows

Bendix Radio presents More "Buy Now" Reasons THAN YOU EVER SAW BEFORE!

LOW "NO MIDDLEMAN" PRICES

•

LONG RANGE "FRONT ROW" PERFORMANCE

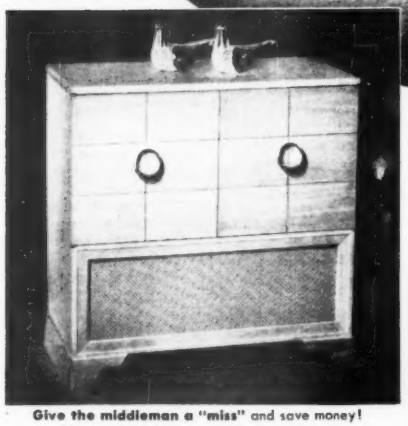
•

AVIATION QUALITY

Don't count too long on this low price—This decorator-styled, mahogany AM-FM radio-phonograph has features that have raised prices elsewhere. Great range, big speaker, built-in AM and FM antennas. All-front-control record changer, crystal tone reproducer, record storage. **$169.95***

With dual speed LP record changer $179.95*

You've seen radio bargains before—but none like these completely new, AM-FM radio-phonographs. No scrimping, here, on quality or features to meet a price. Instead, **a generous extra measure** of all you value most. A single-arm dual-speed record changer playing standard and long-playing microgroove records automatically on most models. Long-range AM-FM radio to bring in programs you're missing. Heirloom-quality cabinets. True-life, "Front Row" performance. Yet **present prices are well below comparable sets** because no middleman stands between Bendix Radio and its dealers. Wholesaling costs are cut and **you get the savings.** See your newspaper for the select dealers offering these "limited editions"—built by the foremost source of aviation radio and radar—at these amazing "buy now" prices.



Give the middleman a "miss" and save money! This beauty in blond mahogany has long-range AM-FM radio and the dual-speed LP record changer shown below. **$189.95***

If you prefer period styling, here's 18th Century beauty at a bargain. Long-range AM and FM radio, built-in antennas. Dual-speed LP record changer. A true luxury instrument for only **$189.95***

*All prices slightly higher in the West.

Plays for hours with one loading. This dual-speed automatic record changer plays both standard and long-playing microgroove records from a single featherweight arm. Gentle slide delivery saves records.

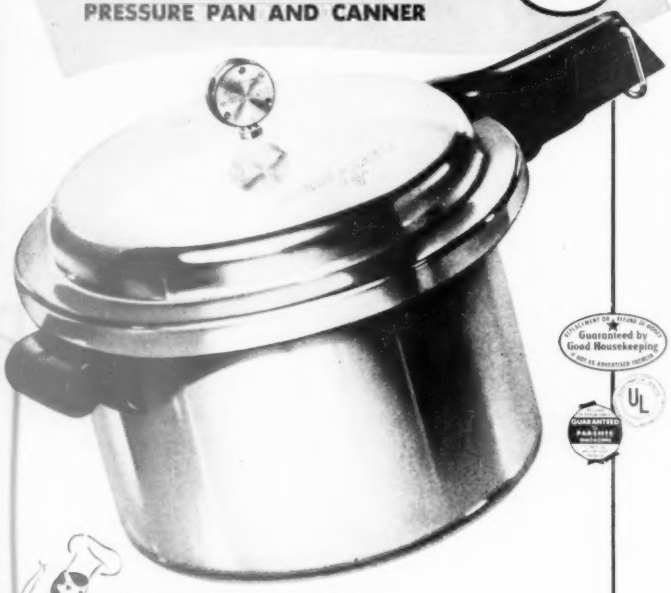
BENDIX RADIO REG. U.S. PAT. OFF. **BENDIX RADIO DIVISION of** Bendix AVIATION CORPORATION **Baltimore 4, Maryland**

HERE'S THAT *Bigger* MIRRO-MATIC YOU'VE BEEN WANTING!

The Wonderful, New 8-quart

MIRRO-MATIC "8"

PRESSURE PAN AND CANNER



PRESSURE COOKS
8 lb. Pot Roast, Ham, or Fowl...*in MINUTES!*

PRESSURE CANS
4 Quart-jars or 7 Pint-jars at a Time!

How often have you said to yourself, "I *do* wish I could have a bigger MIRRO-MATIC?" Thousands of you have said it to *us*, through salespeople, and by mail.

The new MIRRO-MATIC "8" is our answer, to cook BIG full-family meals quick as a wink . . . to do your canning easily and efficiently, whether you prefer quart-jars, pint-jars, or cans.

Aside from its welcome, country-kitchen size, and a sturdy handgrip on the side for easier handling, this new MIRRO-MATIC "8" is just like the familiar 4-quart MIRRO-MATIC "4." Both have the simple, selective control that you can *hear*. This exclusive MIRRO-MATIC Control gives you "Cooking without looking," since it automatically prevents pressure from going higher than your recipe requires . . . 5, 10, or 15 lbs.

Both have roomy, domed covers that let you use their *full* capacities. Both open and close with utmost ease, simply by sliding handles apart or together. Both have ALL of the easy-to-use features you expect with the name, "MIRRO-MATIC."

See the new MIRRO-MATIC "8" *soon*. You'll find it the ideal *all-around* pressure pan and canner . . . a perfect companion to your MIRRO-MATIC "4," to do the *big* jobs, better.

get MIRRO-MATIC at department, housefurnishing, and hardware stores, wherever dealers sell the finest aluminum. The new "8" with rack and recipe book, $17.95 (West, $18.95). The familiar "4" with rack and recipe book, $12.95 (West, $13.95).

MIRRO
THE FINEST ALUMINUM

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Recipes for meat pies

See the color photograph of meat pies, page 60

Tuna Pie

1 1/4 cups diced potatoes
1/4 cup diced celery
1 tablespoon chopped onion
3/4 cup frozen or canned peas
1 pimiento, cut in strips
1 7-ounce can (1 cup) flaked tuna
3/4 teaspoon salt
1/8 teaspoon pepper
1/2 cup vegetable liquor
1 tablespoon enriched flour

Cook potatoes, celery, and onion in small amount of salted water until tender. Drain. Reserve 1/2 cup liquor. Combine vegetables and tuna. Pour into greased 1-quart casserole. Add seasonings. Gradually add vegetable liquor to flour; blend. Pour over tuna and vegetables. Arrange Pin-wheel Cheese Biscuits on top. Bake in hot oven (400°) 20 minutes. Serves 4 to 5. **Pin-wheel Cheese Biscuits:** Sift 1 cup enriched flour with 1/4 teaspoon salt and 2 teaspoons baking powder; cut in 1 1/2 to 2 tablespoons shortening. Add 1/3 cup milk; mix just until flour is moistened. Turn onto lightly floured surface; knead 1/2 minute. Roll 1/4 inch thick. Sprinkle with 1/4 cup grated American cheese. Roll as for jelly roll. Cut 1/2-inch slices.

Shepherd's Pie

1 pound veal breast or shoulder, cut in 1 1/2-inch pieces
Salt and pepper
2 tablespoons fat
1/2 cup sliced onion
1 cup cooked carrots, cut in 1-inch sticks
1 cup green beans
2 to 3 cups moist mashed potatoes

Flour meat and season; brown on all sides in hot fat. Add 2 to 3 cups water. Simmer until tender, about 1 to 1 1/2 hours. Add vegetables—transfer to casserole. Top with border of mashed potatoes. Brush with 1 egg yolk mixed with 1 tablespoon cream. Brown in moderate oven (375°) 30 minutes.

Roast Beef Pie

1/2 cup minced onion
1/2 cup minced celery
2 tablespoons fat
2 tablespoons enriched flour
2 cups cubed leftover beef or pork
1 cup diced cooked potatoes
1 cup sliced cooked carrots
2 tablespoons chopped parsley
1 tablespoon Worcestershire sauce
1 3-ounce can (3/4 cup) browned mushrooms and broth
1 teaspoon salt
1/8 teaspoon pepper
1 cup leftover gravy

Cook onion and celery in hot fat until golden. Stir in flour. Add remaining ingredients. Simmer 10 minutes. Pour mixture into well-greased, individual baking dishes. Cover with **Plain Pastry:** Sift 1 cup enriched flour and 1/2 teaspoon salt; cut in 1/3 cup shortening until pieces are size of small peas. Slowly add 2 to 3 tablespoons cold water, tossing with fork until mixture will just hold together. Adjust crust on pies; flute edges. Cut X in each pie. Fold back corners made by cut—photograph, page 60. Top with pimiento strips. Brush crust with slightly beaten egg white. Bake in hot oven (425°) 25 minutes.

Chicken Pie

1/2 cup chopped celery
1/2 cup tiny, whole onions
2 cups chicken stock
1/4 cup enriched flour
1/2 cup sliced, canned mushrooms
3 cups chopped chicken
1 tablespoon lemon juice
3 tablespoons chopped parsley

Cook celery and onions in small amount of boiling, salted water; drain. Heat 1 1/2 cups of the stock to boiling. Blend flour with remaining 1/2 cup stock; stir into hot stock. Cook until thick and smooth, stirring constantly. Add remaining ingredients. Season to taste. Pour into 1 1/2-quart casserole. Top with rich pastry. Trim pastry 1/2 inch beyond the edge of baker. Fold edge under. See photograph page 61. Tuck in china pie bird. Brush pastry with egg. Bake in hot oven (450°) 20 minutes. Make leaf cutouts from scraps of pastry—bake on cooky sheet.

Hot Tamale Pie

1 large onion, chopped
1 1/2 pounds ground beef
1 10 1/2- or 11-ounce can condensed tomato soup
1 teaspoon salt
1/2 teaspoon pepper
3 tablespoons chili powder
3/4 cup chopped ripe olives
3/4 cup fresh or canned corn

Brown onion and meat in hot fat; add remaining ingredients. Pour into greased casserole; cover. Bake in moderate oven (325°) 1 1/2 hours. Spread Corn-Bread Topping in strips on meat mixture—see photograph, on page 61. Bake uncovered in hot oven (425°) 25 minutes. Serves 8. **Corn-Bread Topping:** Sift 1 1/2 cup enriched flour, 1 teaspoon salt, 1 teaspoon baking powder, and 1/2 teaspoon soda; add 3/4 cup corn meal and mix well. Add 1/2 cup buttermilk and 1 beaten egg, then 2 tablespoons salad oil; mix.

Have you been remodeling your kitchen or building a new one? We'd like to see some snapshots of it. Maybe we can publish it in *Better Homes & Gardens*. If so, you'll receive $25 and see your kitchen in a forthcoming issue. Write to Better Kitchens, Foods and Equipment Department, *Better Homes & Gardens*, Meredith Publishing Company, Des Moines 3, Iowa.

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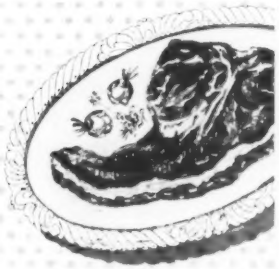

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THIS column is devoted each month to answering your questions about the homemaking problems which at some time face every family. The responses below are taken direct from the pages of *Better Homes & Gardens* books.

Q *Does pregnancy really cause teeth to decay? I am expecting a baby and wonder if it is necessary to have a lot of dental work done.*

A There does seem to be a tendency toward decay in the teeth of pregnant women, and you should be under the watchful eye of your dentist as well as of your doctor. It won't injure your baby in any way for the dentist to work on your teeth, and it's wise to arrest any decay that shows itself. (Taken from the *Better Homes & Gardens Baby Book.*)

Q *I am considering radiant heating for my new home. How does it compare in cost to other heating systems?*

A Radiant heating costs somewhat more than standard systems, but savings in operating costs may run as high as one-third. The system calls for expert design by experienced engineers; it's expensive to correct errors after the pipes are once buried in the building. (Taken from *Better Homes & Gardens* new *Home Building Ideas* book.)

The books from which these answers are taken are published by *Better Homes & Gardens.* They are an extension of the editorial service *Better Homes & Gardens* offers its readers.

You can buy them at newsstands, infants' wear, book, and department stores everywhere. Or send your order direct to *Better Homes & Gardens,* 5602 Meredith Bldg., Des Moines 3, Iowa.

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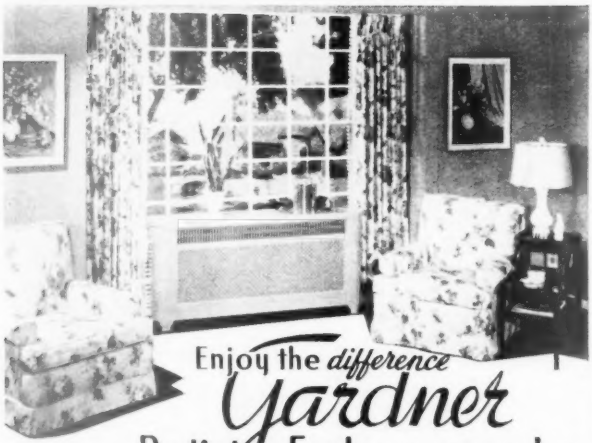

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We enclose space

Begins on page 44

traditions in which I was still steeped.

Statements like "pictures on the wall are another and particularly irritating way of cluttering up interiors" made me grind my teeth. How could I live without *The Chariot Race* and *Blind Milton Dictating Paradise Lost to His Daughters?*

Even the headings upset me. "Why Have Closets?" To put things in, of course. "Elimination of Furniture." Though fond of rice, I am no Chinese and won't sit on the floor.

The pictures were also confusing. There would be a picture of what I considered an ideal kitchen. Cat, rocking chair, geraniums in cans on the window sill and a center table big enough for the wash-basket, the breadboard, and a few good books to browse through while the potatoes were boiling. Under this would be printed in 9 point Gothic type, "NO."

ON THE opposite page would be a picture of something that looked like a cross between a hospital laboratory and an operating room. White, shiny, impersonal, it could only be manned by someone who would test the potatoes with a stethoscope, probe the roast with a thermometer, and wear a mask while baking a cake. This was a big "YES," needless to say.

I would look sternly at the old-fashioned, homey kitchen where I could almost smell the mincemeat cooking and say sternly "No, no, no!" But it was some time before my tone carried conviction.

WHEN we felt that we had been sufficiently indoctrinated with the idea that "a house is a machine for living" so we could be trusted not to come up incontinently with a Cape Cod cottage, my husband and I worked out a ground plan. It did everything the books said about bringing the outdoors into the house, and we were very proud of it. The trouble was we brought more outdoors into the house than there was to bring. The thing we had designed wouldn't fit on the lot.

"I have always wanted to sail into Rio Harbor at night," I said to my husband. "Why don't we just take a trip, and by the time we get

[*Turn to page 154*

Because this is the ocean side whence the rains come, we are particularly generous with the tar paper. And a good thing it is, too, as some of those lovely, lovely knots we so admired in the 1x12 redwood have fallen out. I'm thinking of cutting out rounds of redwood and gluing them into the knotholes. The window you don't see is made of louvers

When we started, there were 9,000 bricks in this pile. "Who's going to clean them bricks?" demanded the $40-a-day mason and helper as they walked briskly away. After the first 8,000 I got accustomed to having no skin on my knuckles. When I'm asked why I carry them in my hands, I explain that I'm too tired to put them in the wheelbarrow

This is the fourth time I've built this particular piece of wall. Once a truck backed into it; once my husband was watering, and the pressure got away from him and he blew it to hither and gone. The third time, they lowered the grade of the road two feet. There was nothing to do but sledge the wall down from its lofty eminence and start over again

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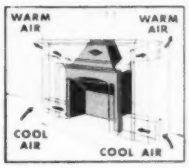

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We enclose space

Continued from preceding page

back maybe the housing shortage will have given way to bacteriological warfare?"

But he said he had wasted a lot of time boning up on Modern and he was going to live functionally if it killed him.

So I got some more books, and we saw at once where we had gone off the track. We had been stupidly trying to "build" a Modern when all the time we should have been "enclosing space."

To enclose space, you take a ball of string and some little iron spikes you buy at War Surplus and whip up to your site. Then you stroll around dreamily saying, "This is where I want to sit. This is where I want to eat. This is where I want to sleep." If you have had sense enough to drag the string along after you as you strolled and to drive in stakes from time to time, you now have a rough plan of your house. "Tailored to the lot," as the book phrased it.

At first, my husband said he wouldn't do it, it was too asinine. But when he got up to the lot, he got in the spirit of the thing.

As soon as we had enclosed space enough for our simple wants, we measured the results and took the figures to an architect who agreed to translate them into something which would pass the Department of Building and Safety for the modest sum of $5 an hour. It took him only 130 hours, which seemed surprisingly speedy to me considering the state the enclosed space was in when we gave it to him.

It wasn't until we started to do the actual enclosing that our troubles began.

When I said earlier that we planned to build the house with our bare hands, I was speaking figuratively. To build a Modern house you would naturally make use of the latest postwar world technological appliances and devices. Power saws, planing tables, spray painters were only a few of the up-to-date gadgets by which we planned to make the work easy and the heart light.

That was before we found out that the lighting company was allergic to running temporary lines.

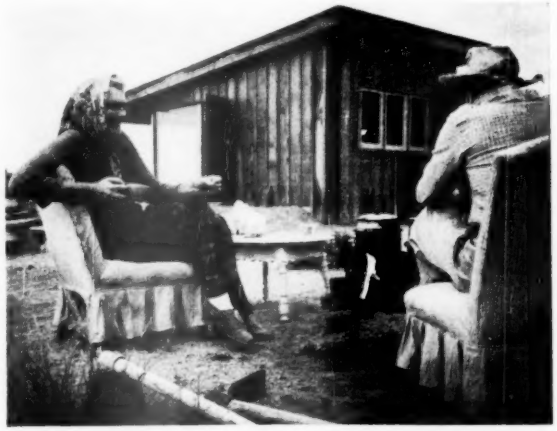
I think we have made pretty fair progress considering we have been working with tools and methods devised and perfected by Paleolithic man.

My husband finds it difficult to accept the situation.

"I feel like a moronic Indian," he said, today, "trying to rip a 2x10 by hand."

But I tell him if we ever run out of money, I can always whip up a little brochure on "New and Dramatic Ways to Use an Adze."

Despite our increasing prowess with Late Stone Age tools, we have had to call in some outside help: We had the main floor slab poured, we had a carpenter for seven weeks, a mason for a week, and a plumber for six days. We planned on doing the rough plumbing ourselves, but the cesspool is at the extreme end of the lot and we had to run soil pipe 125 feet. The drop



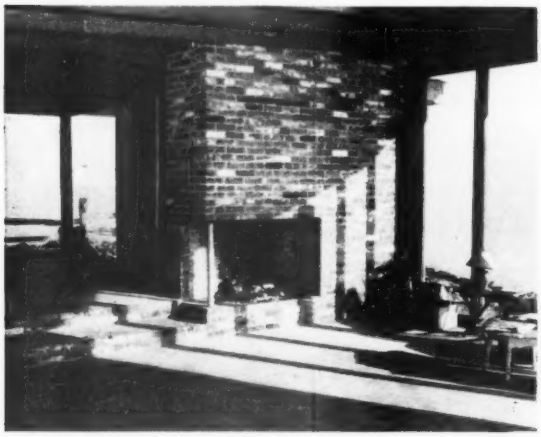
This simple barbecue is cheap and easy to construct. It calls for 12 broken bricks, two tag ends of steel left over from an old swimming pool, and that half stove grate you've been saving because there is lots of good left in it yet. This is not only the simple life, it's practically the life primeval. Bacon and eggs taste like nectar, except when the low-hanging clouds drag on the ground. Then smoke gets in your eyes

Sheppy is at it again! He thinks he has a bone hidden in the plant box sunk in the living-room floor slab. We keep him to head the deer off our bougainvillea. If we had any sense, we'd teach him to herd the deer in

was so slight from the bathrooms that the Goldberg contraptions we rigged up did not find favor with the inspector, and we had to hire a plumber to outwit regulations.

In a moment of enthusiasm I personally poured the utility-room floor to surprise my husband, who was away from the lot for a few hours. He was surprised but not pleased. "Where is the cleanout from the bathroom next door?" he asked plaintively. Well, it is there; but if the inspector wants to see it again I shall have to tell him it may take me a few minutes to get to it.

One thing the inspector can't question is the water pressure. We get our water from wells far up in the hills above us. Everyone said we should put in a pressure reducer, but I am allergic to a thin trickle of water. When I turn on a faucet, I like to get results. And we do! When you flush the toilet, it sounds as if Niagara Falls had got loose. As the terrific whooshing



Here is our living room, with the dining room at the left. A 5-foot wall with a planting box (off the picture at left) separates the rooms. Because you can look right through the plate-glass windows, it seemed to us at times that we were building a bathhouse. The house is 113 feet—a lot of space to enclose—and that is why it took so much pipe, conduit, board, and batten. Everything had to go there and back

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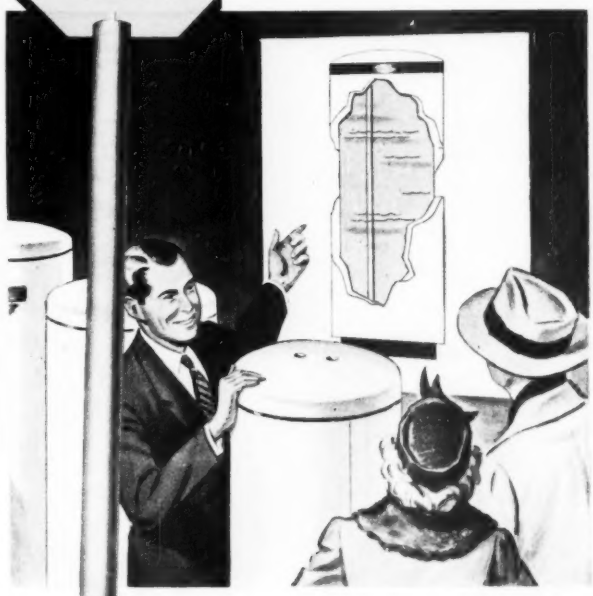

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We enclose space

Continued from page 155

dies down, the toilet gives three long dismal cries like a dying coyote. Sheppy, our dog, begins to bark thinking we have been surrounded. Then, you have to take off the cover of the tank and pry the ball up—it can't buck 170 pounds! Putting in the reducer involves taking up the brick walkway which I have laid with loving care, so I keep postponing it. It's been taken up once because conduit can't make a right angle turn and had to go under it. It's not that I mind laying bricks but I hate laying them over again.

We didn't have to keep books on the project—I *know* how deeply tangled that ball of string got us. The lot, three acres of goat land with a flat place for a house, cost us $1,500. We bulldozed the road in, graded the lot, and spent about $400 on planting the bank above the pool with Mermaid roses, bougainvillea, and some fruit trees which everybody said would not live and they didn't. The pool cost us $1,400. Now, we have spent in all, including lot, pool, road, grading, architect, and ball of string we laid the house out with, $14,672. It could be finished with patios planted for $2,500 more, at most—probably less. But by doing our own work, we have saved a minimum of $5,000 on the house, and at least $1,500 on the pool.

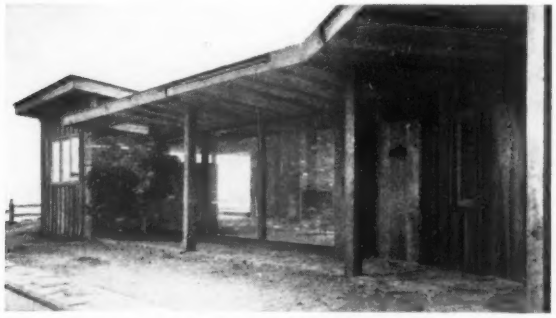
We also saved on the doors. They are of Mexican mahogany which I took to the mill and had tongued and grooved. We then glued them, put them in a homemade press, screwed the battens on and that was that. They cost us about $12 apiece. Shellacked and varnished with a clear flat varnish, they withstand the weather very well.

WE SHOPPED for materials and found a terrific difference in cost at various places. We either hitched a trailer on our car or got a drive-it-yourself stake body truck and trucked the stuff in. Incidentally, we found that secondhand brick is the hardest thing to get and costs more than new brick.

I saw an ad in the Sunday paper (which comes out Saturday in Los Angeles) for secondhand brick at $6 a thousand, "Come and get it." So Sunday we sprang up at dawn and enlisted the services of an accomplice, hooked on a trailer and whizzed down to L. A. It was there, all right, in the cellar:

Turn to next page

While the house proper has only 1,230 square feet of space, the roof has 3,600. Its aluminum cover reflects both heat and the ocean when the sun is at certain angles. Sometimes it's silver, sometimes dark blue



Nature note: That hole in the roof at the left (between the pool and the living room) was made for the tree to grow through. But the tree is too smart. It knows it is easier to go around something than to go through it

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We enclose space

Continued from preceding page

foundations and chimney of an old house that had been demolished. My husband got down in the pit and pried the bricks loose with a crowbar, I tossed them up to our friend, and he stowed them in the trailer. By the time we got 550 in the trailer, the car was right on its haunches. We unloaded them at 1 p.m. on our lot and I said, "Let's get the stake body and really get a load." So back we went and by the time it was dusk we had 1,800 which we cast out of the truck in a dense fog at 9 p.m. When I went to step up the steps of the house we were then renting, my foot didn't move at all, and I had to be boosted in! Next day I said airily, "Who is going to help me clean these bricks?"

"Nobody!" said my husband, firmly. "They're all yours."

I FIGURE the bricks cost us $32 a thousand, counting the $1 an hour we paid our friend.

What surprises us is that as the house shapes up, we are really beginning to love the thing.

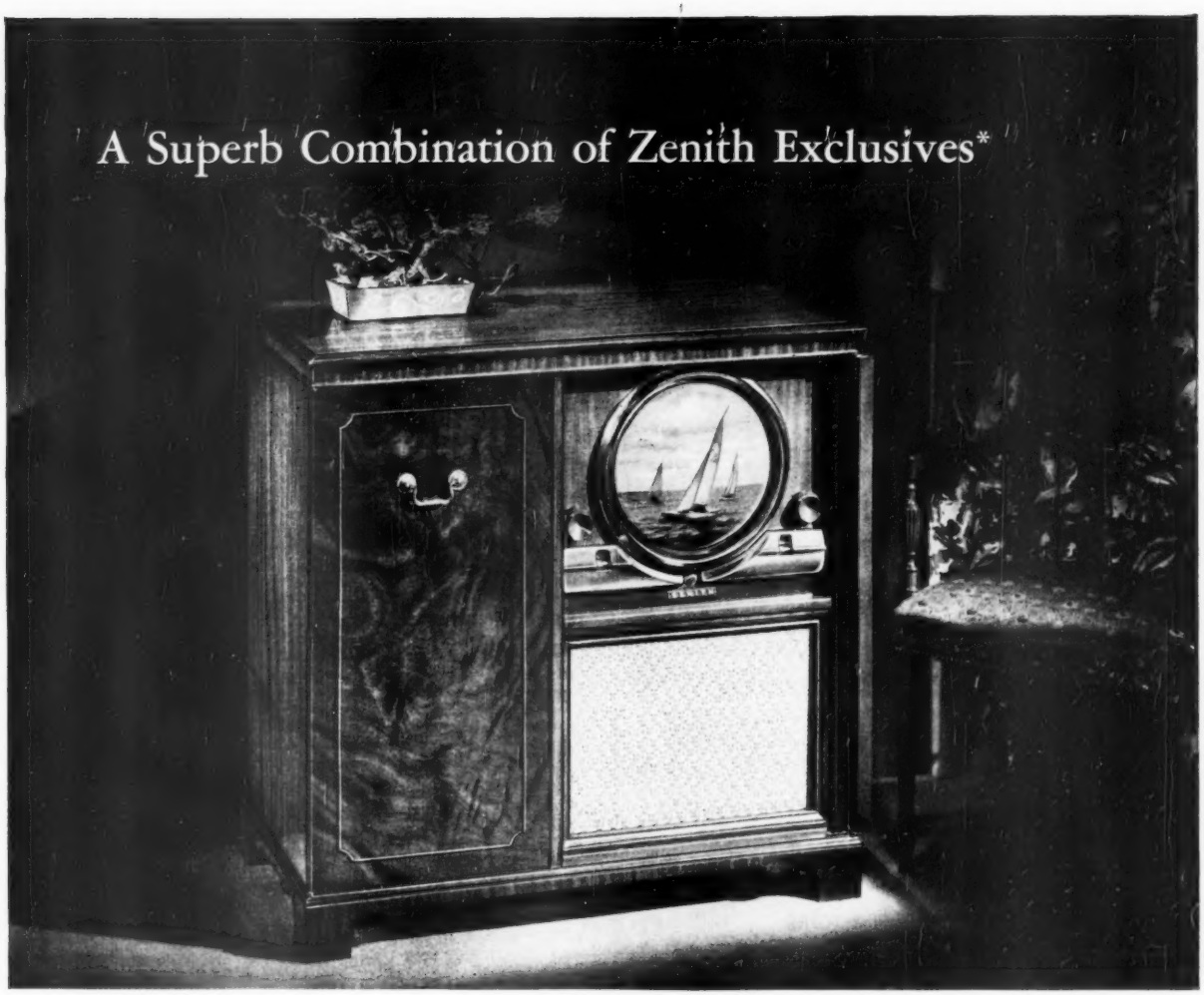
One or two angles have been a little disappointing. Sheppy is under the impression he has buried a bone in the plant box sunk in he concrete slab in the living room. And you wouldn't think gulls could tramp, but our aluminum roof is just a challenge to them.

OUR doubting friends are now betting even money that we can finish it. We've conquered the soffit in the overhang and don't think that wasn't something. We've won the good fight over the furred down ceiling in the writing room. Now, if we can only figure out how to construct the *furred-down soffit* with flush lights that goes over the 5-foot brick wall with the plant box in it that separates the living room from the dining room. . . .

But we'll solve it. After all, anybody can build a house. It takes time to bring outdoors indoors. Tricky thing, enclosing space.

Windows of the writing room are planned so they can't be looked through. Ultimately, the wall will be lined with books which can be read by lamplight. A writer will do anything to escape writing

Our result so far—after more than a year of work. We treated the fence to get that gray, silvery look. The trouble with most new houses, especially Modern, is that they look so appallingly new. This looks lived in and it has been lived in! By us while building. We take time out occasionally to look at the view. It's then you realize that your dynamic Modern is worth all it has cost in money, muscle, and the two quarts you drew from the blood bank



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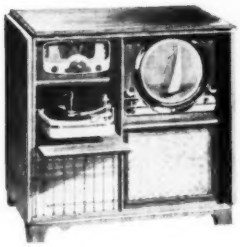

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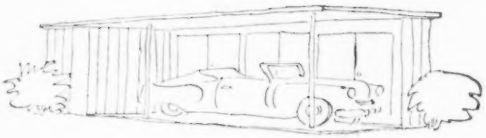
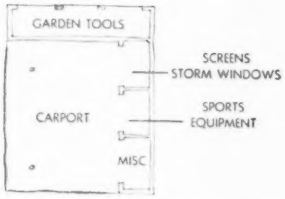
Your garage





Planned storage space leaves yard and house space uncluttered

built-in garage without any doors or any enclosing walls.

There are three advantages to this kind of car shelter. (a) It is cheaper than a garage; (b) it doesn't shut off light or air; and, (c) it can't become a catchall. But now you're faced with another question.

2. How much attention should we pay to weather?

If your winters are snowy and blowy, the answer is a lot. Maybe you know the direction of winter winds where you're going to build. If not, go over the site with a future neighbor. Ask where the bad storms come from and how deep the snowdrifts are.

The northwest corner is likely to be bad because of drifting. Eastern and southern exposures are usually better. They may even be protected enough to eliminate snow as an objection to a carport. But you may still have to contend with cold. If your car sits in a parking lot all day, keeping it out all night won't harm it any more. But the more protection you give your car, the better it will run in cold weather. But weather, too, is only one consideration. Before deciding on a type of car shelter, ask your family:

3. What do we want to store besides the car?

If your children are grown and you aren't interested in outdoor activities, perhaps your answer can be, "Nothing." Otherwise, you'd better ask yourself where you're going to stow your lawn mower, your hose, wheelbarrow, and other garden equipment; screens and storm windows; bicycles, fishing poles, sports equipment; paint cans and scraps of lumber; lawn and porch furniture.

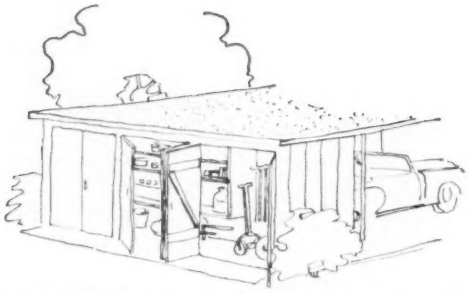
Maybe you can afford plenty of storage space in the house itself. But chances are that someday you'll want space in the garage to put things because that's the most convenient place for them.

Here's an example. The shelves in the children's room are overflowing with toys. The built-in cabinets in the living room are bursting with magazines. What are you going to do? Maybe you will have the strength to tote them to basement or attic (if you have a basement or attic), or the will power to give them away. But most of the 20 people I talked to either pack them into the garage along with everything else, or wish their garage were big enough so they could.

Your garage doesn't have to be cluttered, but it probably is. One of my friends never fails to stumble over a shovel that has fallen to the floor. And another arrived home the other evening to find his garage taken over by a litter of cocker spaniels. This, of course, was an act of God, but if you didn't have a garage, where would you put the rascals?

A really working garage may have shelves for magazines,

Begins on page 58



Doors to convenient storage space for garden tools open onto yard

newspapers, and paint cans; cabinets for toys; drawers for hand tools; benches for flowerpots and flats; wall clamps for shovels and rakes; recesses for wheelbarrows, and overhead racks for lumber.

With a carport, on the other hand, you won't have much chance to be untidy. That's, in itself, a good argument for a carport. But, of course, you can have storage and work arrangements in a garage (like those you have in a kitchen) that will make you want to be neat.

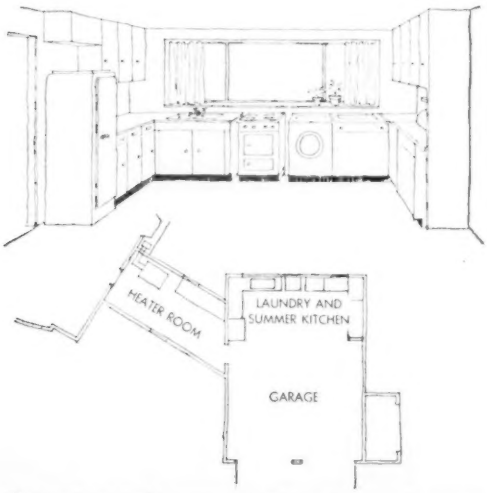
But there's still another question to consider before making up your mind:

4. What else can we use the car shelter for?

If you build a carport, it can double as a covered porch and play space. That's about all, but maybe that's all you need. If it's a garage, possibilities are limited only by your needs and budget.

Lots of people use their garage as a laundry. Your wife probably carries more weight around when she's washing clothes than at any other household task. When your washing machine is in the basement, as it usually is if you have a small kitchen, her burden is increased. Would you rather climb stairs with a wet wash, or walk a few level steps from the garage? Allow enough space, though, so you don't step into the sink when you get out of the car.

Your garage can compensate for what is often a small house's biggest disadvantage—lack of space for hobbies and recreation. In a roomy garage you can [*Turn to next page*



To keep house cool in summer, provide canning space in garage

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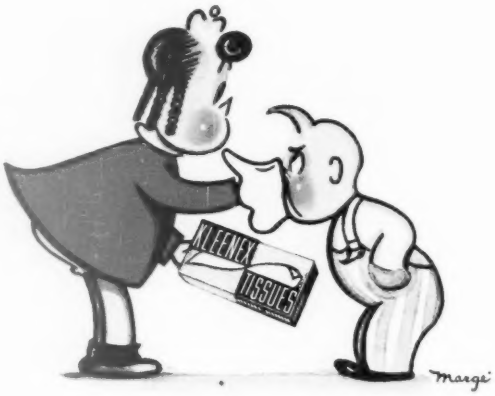

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CIRCULATION OVER 3,000,000

Your garage

have a woodworking corner, a darkroom, a place for table tennis. If your house will be two stories high, perhaps you can have a small second floor over the garage for a playroom, clubroom, or extra bedroom. Or you can have a flat roof and use it as a sun deck.

Like a carport, a garage can also be a porch. If you have a pleasant view on one side, build that side with removable panels that you can replace with screens in summer. Or do the same with both sides, or a side and end, and let the breeze sweep through.

Don't think of the garage only as a place to keep a car. Think of it as a vital part of the house. You may have to squeeze some because of building costs. If the basement, game room, and porch have to go, a well-planned garage will make these losses easier to take.

That leads to another question, which you can skip if you've settled on a carport:

5. Where do we want garage in relation to house?

All the uses of a garage make it advisable to have it near the house, preferably attached. But make sure it isn't going to cut out too much light, too much air, too much view.

An attached garage saves you money because you can bring wiring and heating in directly from the house. It also saves you building at least one wall.

Check your local building code before you decide definitely. Attached garages ordinarily don't add to fire-insurance rates, but some old building codes require elaborate fireproofing. A common solution is a breezeway, which you may want anyway. It satisfies the fire laws, and gives you a service or living porch besides.

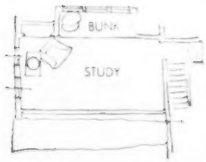
Maybe you'd rather tuck your garage in one corner of the lot—a good place if your family is going to use it as a garden workhouse, with benches for planting and potting, and storage for bulbs, fertilizer, and outdoor game equipment. Unless you're on an alley or corner lot, though, a rear location ignores a cardinal point in garage planning—ease of access.

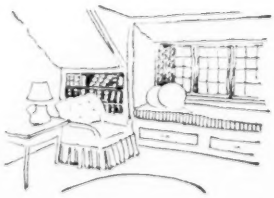
Now for the final question, in some ways the most important of all:

6. What's the best place for entrance and drive?

The entrance should be at the front, unless you have plenty of space to work with. The chief objection—the unsightly appearance from the street of an open garage door—can be solved by keeping the doors closed.

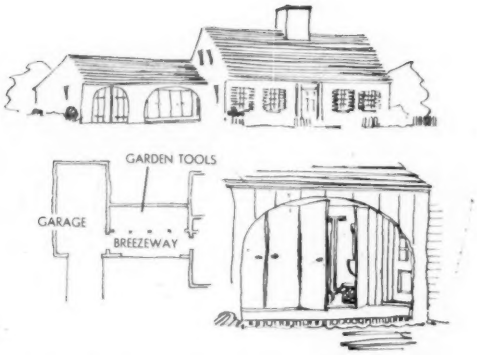
Attached garage can give you an extra bedroom above





Over two-car garage, have a secluded 12 by 17 study

Continued from page 161



Keep tools and toys in breezeway between house and garage

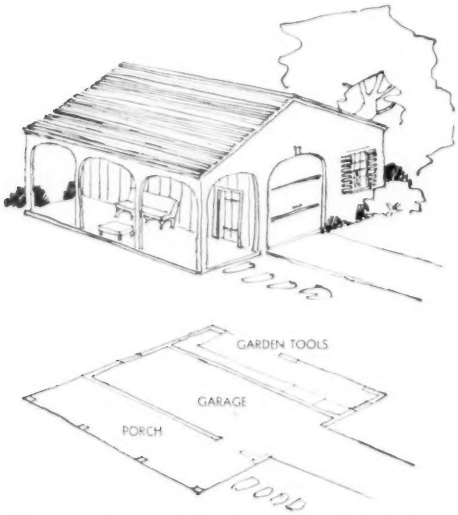
A side or rear entrance may improve the looks of your house, but the driveway will eat into lawn, garden, and play space. But maybe you're like a guy I know who has only two faults to find with his place: too much grass to cut, and not enough turn-around room at the end of his driveway. He corrected both by adding concrete.

Here are some other entrance considerations:

The approach. A 15-percent grade gives even an expert driver trouble. And the combination of a curve and a grade can become a perpetual exasperation. Even a slight curve can be annoying at night or in snowy weather. Then it invites you to slip over the edge of the drive and squash ruts in your lawn.

How about guests and tradesmen? An ideal solution is to place the drive so it's near both front and kitchen doors. In one of the country's best-planned communities, Radburn, New Jersey, garages are just off the kitchen door, with a "motor entrance" a few feet up along the side of the house.

Safety. Despite its prevalence, the back-out drive is dangerous. The simplest solution is the drive-through garage, but it's practical only on a large lot. The best driveway has turn-around space, which cuts into your garden area, but lets you face the street. [*Turn to next page*



Good planning provides storage for car and tools, a cool porch

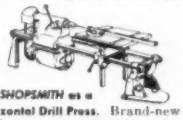
1 *SHOPSMITH* **as an 8" Circular Saw.** Depth of cut 2¼". Table 14½" x 17"—with extension 54" x 17". Up to 46" between blade and fence. Tilting table.

5 BIG-CAPACITY POWER TOOLS IN 1

2 *SHOPSMITH* **as a Vertical Drill Press.** Drills to center of 15-inch circle. 27-inch maximum distance from table to chuck, 4¼-inch feed

3 *SHOPSMITH* **as 34" Wood Lathe.** (34" between centers) with a 15-inch swing. Quill feed 4¼ inches. Tool rest always slides parallel to work piece

4 *SHOPSMITH* **as a 12" Disc Sander.** Adjustable mitre gauge. 14½" x 17" table tilts to 45 degrees. Discs can be removed and replaced in seconds



5 *SHOPSMITH* **as a Horizontal Drill Press.** Brand-new in the power tool field! Provides accurate drilling for doweling. No limit on length of work

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Right now your druggist is featuring Sickroom Needs, items your doctor may call for in event of sickness in your home. Check your needs today. Be prepared!

Your garage

Continued from preceding page

What's good about your garage . . . and what's bad

One builder has met the problem by placing the driveway and door at a 45-degree angle to the street, and providing a short apron near the street end. Drive and apron look like an L set on its point, with the stem leading straight into the garage. You can easily back onto the apron from the garage, then face traffic headfirst.

Whatever else you do, flare the street end of the driveway so you don't have to cut corners or swing wide when you enter or leave.

Size. How you use your car shelter will determine how big it will be, but there are minimums which dictate *how small* it can be. A one-car garage must be at least 9 feet wide. You can get in and out of a wide new car more easily if you make your garage at least 10 feet wide. For a two-car garage, 17 feet is a minimum; 19 to 20 feet is better. Length of any garage or carport should be at least 20 feet.

These sizes are just for space to keep your car. If you want space for other things, remember that sometimes you'll be using that space while the car is in the garage. Too much space is far better than too little.

As for me, I'd like to go along with one of my 20 friends, the only one who expressed any interest in a carport. "That's just what I aim to have," he said. "A carport alongside the house. Out back, though, where the barn used to be, I aim to have a garage, too."

Here are some of the answers Herbert Yahraes got from 20 homeowners he asked about their present garages:

What do you like most about your garage?

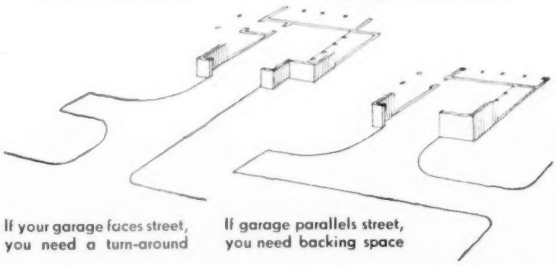
1. The good, broad doorway—3-foot clearance on each side.
2. The size: two cars and it only has to accommodate one.
3. The room it gives us to store household goods. We have no attic, and our basement is damp.
4. It's a good place for my workbench.
5. Plenty of light. We've a glass door in the rear and two windows.
6. My garage is in the basement; my car stays warm.
7. It's attached. We can load and unload under cover.
8. The width of the driveway, just right at 9 feet.
9. It substitutes for the porch we don't have. We can stand in our garage and watch a thunderstorm.

What do you like least?

1. The driveway. It isn't wide enough to turn around.
2. Our garage is part of the basement. In icy weather I can't get out.
3. When the door is open, as it usually is, the garage looks like heck.
4. The hinged doors take up too much room.
5. The sliding doors jam with snow or come off the track.
6. The doorway's too narrow. If we're not careful backing out—wham!
7. Our overhead doors. They're a swell idea but too heavy.
8. The grass that grows in the driveway. It's disappearing since I put a basketball hoop over the garage door.
9. The driveway goes along the side of the house, which is fine except that it gives me no place to shovel snow except on my neighbor's drive. Have to carry it beyond the house.
10. It's a two-car garage, but it's still too crowded.

What would you do if you were building or remodeling?

1. Attach the garage to the house. Heat it and light it. Make the entrance 12 feet wide. Have electrically operated, overhead door.
2. Connect it with the house by a breezeway. Install heat, electricity, water, and a drain.
3. Place it closer to the street, so we could have a secluded yard in the back.
4. Put in plenty of shelves and cabinets.
5. Make a separate section in it for a garden tool house, with its own door.
6. Plan it so we could have a playroom.
7. Allow enough space for a workbench.
8. Eliminate the walk along the side, so we could have a greenhouse or a woodshed built against the garage wall.
9. Have a study or playroom overhead, connected with the upper part of the house.



If your garage faces street, you need a turn-around

If garage parallels street, you need backing space

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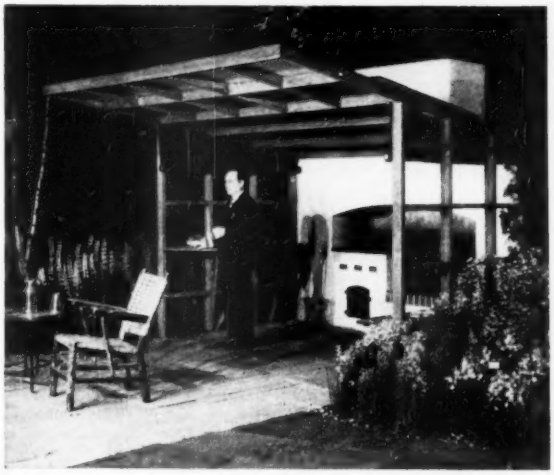
Garden clinic

A weather-proof barbecue

Q I was forced to locate my garden barbecue in a spot with little shade. Can you suggest an attractive and easy-to-build sun shelter? R.G.T., Georgia.



HERE is one of the best barbecue shelters we have seen. It was included as part of the Peter Henderson & Co. exhibit at the International Flower Show in New York last year, and will do everything you want and more too. You'll find it just as effective in a shady spot as a sunny one because it provides not only sun shade but also shelter against rain and protection from wind on three sides.

The simple construction is fairly well explained by the picture. Lumber used was entirely butt-nailed 2x4's with the exception of the 1-inch boards used as part of the roof. The roof boards, of course, need roofing paper or other covering to make them rainproof. Use linseed oil, paint, or other preservative to protect the wood against weather.

The forward-extending eave or visor of the roof is covered with flexible glass substitute tacked on. It lets light through, but protects against glare and rain. The roof needs a pitch or slant; otherwise rain will cause the glass substitute to sag slightly so that water collects in little pockets instead of running off.

HEAVY canvas roll curtains at the side can be let down to protect against wind or slanting rain from two directions. The barbecue protects the third side. Be sure to use mildew-proof curtains.

You'll find other ideas in this shelter. On the left side a counter for food preparation and serving has been constructed. On the opposite side a very convenient bench has been built against the wall.

Your own ingenuity will suggest many variations such as training vines on the sides or fitting the shelter to your own barbecue in special ways. You don't have to wait for dry spring weather to go to work; much of the shelter can be constructed indoors so that all you have to do when good weather comes is set it up.

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"Need any help, dear?"

Low-cost family vacations

Continued from page 129

free public campgrounds. Surrounding the park are more than 500 hotels, tourist camps, and tourist homes. Average price at a tourist camp is $2.50 per person; at a tourist home, $1.50 per person.

Low-cost accommodations are also available at Fontana Village, the new T.V.A. recreational center just southwest of the park.

WITHIN the park proper, there are just two hotels. Wonderland Club Hotel, at Elkmont, can be reached by car. With meals, a family of four (if the children are under 8) can spend 10 days here for $105. If the children are over 8, the minimum cost with meals runs $140. Perhaps, however, there's adventure in your soul. Then you'll prefer to climb or ride a horse to the isolated top of Mt. Le Conte, to stay in the sky at Le Conte Lodge. Here the rate is naturally higher because of the difficulty of transporting food. If the youngsters are under 8, it will cost your family of four $225—or $300 if the children are over 8.

However, the capacity of both Wonderland and Le Conte are limited, and both are closed during the winter. Most of the visitors find themselves staying in one of the excellent hotels or tourist camps in Gatlinburg or other towns just outside the park, where a family of four—children under 8—can still eat and sleep for 10 days for approximately $200.50.

The advantage of Le Conte, once you get there, is that you are literally on top of the eastern world. Trails lead off in all directions—to waterfalls, to canyons, to flower-carpeted hillsides. Guided half-day trips on horseback will cost you $7 per person; full-day trips will cost you $14. If you bring your own horse from down in the valley, he'll be stabled for $2.50 a night, but it will cost you 75 cents extra for each feed of oats he's given. The Department of the Interior even regulates his diet. He gets one gallon of oats at each fueling.

IN THE Smokies, in addition to the unrivaled sense of isolation, is the largest unmatched stand of virgin timber in eastern America; more than 1,300 varieties of plants, and every kind of wildlife, and trout fishing in 600 miles of sparkling streams. If you like to look at

Thrifty "me," bought these

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flowers, remember these dates when they're at their best: late April for dogwood; May for mountain laurel; middle June for flame azalea and rose-purple rhododendron; middle July for white rhododendron; late October for autumn colors.

From June through October, there are free nature walks; and, at the camp sites, occasional evening lectures. Just to the west begins the series of T.V.A. dams, and to the east the Land of the Sky flanks the resort and health center of Asheville. The Everglades National Park, in southern Florida, is less than two days away by car. Thus a family living in the East or North can package three national parks into one vacation—Shenandoah, the Smokies, and the Everglades.

IT SHOULDN'T be necessary to remind you, but the national parks need to be treated with respect. Vandalism, year by year, is increasing. Names are carved in trees; precious historic relics are carried away for souvenirs; great natural phenomena are desecrated by trash and litter. We should cherish our parks. As Newton B. Drury, director of the National Park Service, puts it:

"In our parks, the people can become acquainted with the finest examples of the American natural scene, and with those historic places where American enterprise and patriotism have flowered most gloriously."

Tell *Better Homes & Gardens* readers about your project

WHAT are you doing these weekends and evenings? Many *Better Homes & Gardens* readers are adding extra rooms to their houses, remodeling kitchens and garages, putting up porches or laying terraces. They have found out they can have better homes for less money by doing this work themselves. Are you one of them? If so, tell us about it.

Better Homes & Gardens will pay regular editorial rates for manuscripts accepted. But we do want photographs—before and after shots (from the same angle) of remodelings, action pictures of new construction—and an estimate of how much money you are saving by doing the work yourself.

Your project needn't be a big one: Our readers are interested in finishing attics, as well as building new houses. Dig out your family album. You may have a picture story in it!

Send your letter to Building Editor, *Better Homes & Gardens*, Meredith Building, Des Moines 3, Iowa.

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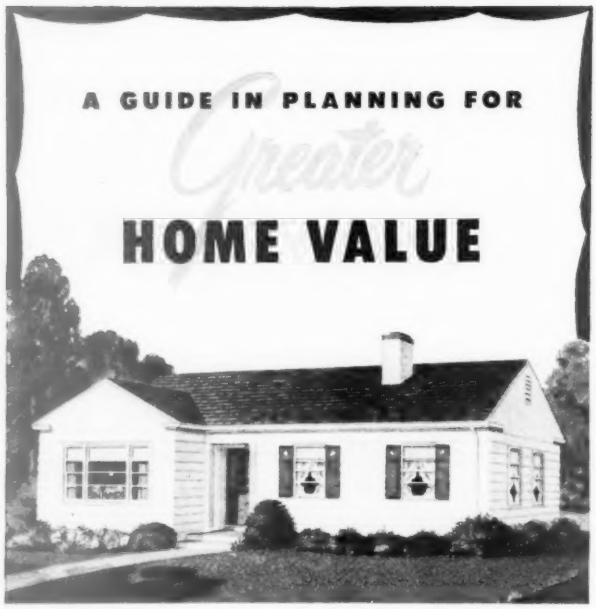

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Berries to eat from your hedges

NO ONE has yet discovered a way to stretch the size of a yard or garden, but here is one way to stretch the returns from a small space. Make your hedges grow berries by planting raspberries or blueberries instead of the traditional hedging shrubs.

Both plants make excellent back and side boundary hedges. Blueberries will also surprise you by their good looks as foundation shrubs or in spots where you need an extra bush.

Raspberries and blueberries will require no more care than other hedge plants. Follow the rules below for planting and pruning, and your hedges will pay you the extra dividend of sun-ripened berries in season.

Blueberries

Blueberries should be used more often than they are for both hedge and foundation planting. They have a beautiful branch pattern; in spring they are filled with clusters of pink and white flowers; they are loaded with delicious berries in early summer; and they have beautiful scarlet and coppery leaves in autumn. In foundation plantings they combine well with evergreens.

Proper soil is the crux of blueberry growing. It must be fertile and moist, but well drained. It must also be somewhat acid, of the same type that will grow rhododendrons and similar sour-soil plants. If your own soil isn't acid, you can fix it up by digging in peat, sawdust (hardwood is best), or oak leaves. A quart of aluminum sulfate worked into the soil for each 50 feet of hedge will make the soil acid in a hurry until the peat or sawdust starts breaking down.

Plant about 2 feet apart for a hedge, 4 feet for foundation shrubs. Keep mulched and have at least two varieties in the same hedge for cross-pollination.

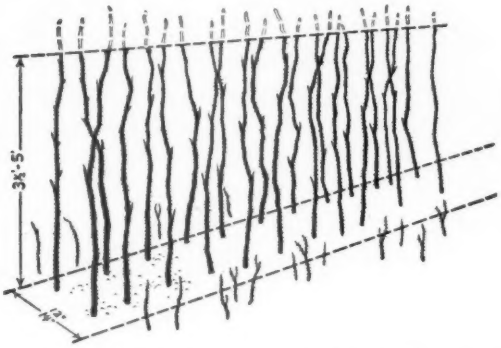
Raspberries

Raspberries, both blacks and reds, make a brambly hedge that children and even dogs find it hard to crawl through. Plant them in any fertile, well-drained soil in good sun—reds about 2 feet apart, blacks 30 to 36 inches—and cut canes to 6 inches after planting. Mulch, especially in winter.

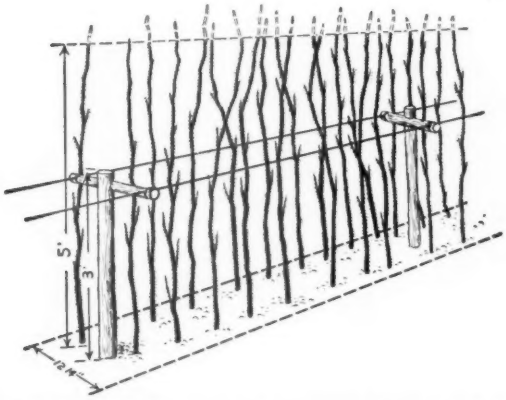
Remember that red raspberries spread vigorously from root suckers and must be kept within bounds. For something new in reds, plant Indian Summer variety, which bears one crop in June and July, and a second one from mid-September until frost.

Raspberry canes, both reds and blacks, grow up one year, bear the next, and then die. Remove canes after bearing. An exception is Indian Summer, where the same canes bear in fall and again the next summer. So don't remove them until after the summer fruiting.

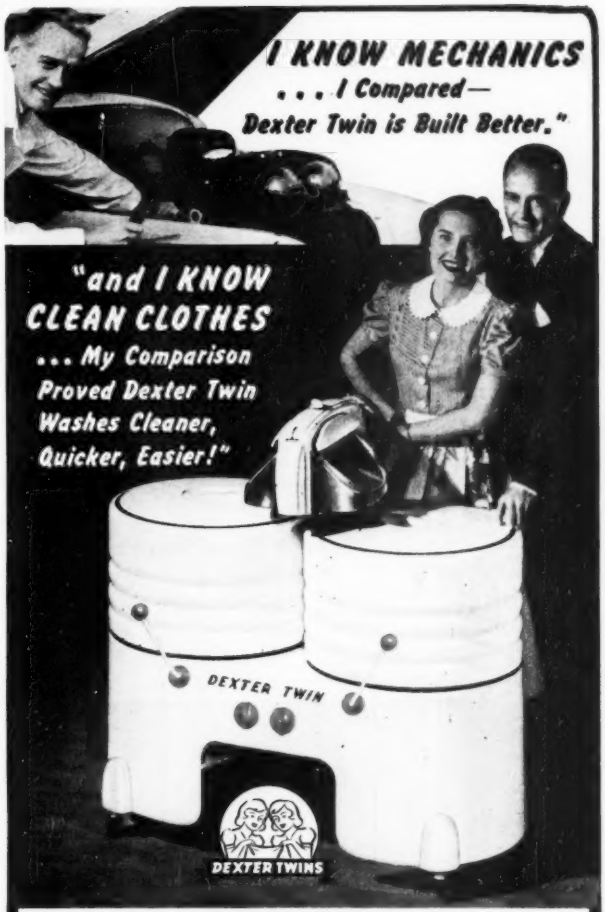
Prune black raspberries as above. In early spring before growth begins, cut side branches back 4 to 14 inches depending on their size and vigor, and remove weak canes to the ground. By end of May new shoots will be reaching hedge height (24 inches). Nip off top 3 inches as each cane reaches 27 inches to force strong side branch growth



For red raspberries, remove all weak canes and winterkilled wood in early spring. Top off canes to hedge height (see below). Remove excess strong canes so that there are only three or four to every running foot of hedge. During summer, only pruning is to pull up all young canes which are shooting up from suckers outside the 12- to 14-inch hedge width



Black raspberry hedges won't need any support if you keep them pruned back to 24 inches as recommended. Neither will reds pruned to 3½ feet. For a higher hedge and somewhat heavier yield of reds, prune at 5 feet and provide support about 3 feet from ground. Pictured is an inconspicuous support with wire. Bushes hide posts and crosspieces



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Grow cacti in table gardens

By Harry Johnson

FOR an inexpensive, good-looking table arrangement, grow cacti and other succulents. They are quite at home in roasting pans, cooky jars, or baking dishes (right and below). They ask only *not* to be coddled.

Plants like those shown here cost less than 30 cents each. Planting is easy. (Use your kitchen tongs for prickly sorts.) Keep the bases of all cacti near the surface. Shallow planting makes for healthy plants.

Never water when the soil looks moist. Cacti are desert plants. Too much water causes their roots to die. During the winter, give barely enough water to keep your plants plump.

What container? The kind you use is of no great importance to your cacti. Choose for ornamental effect, but get a 2-inch soil depth. Pottery, glass, metal—use any container your ingenuity suggests

Photographs: Stanley

1. Bird's-Nest Cactus (*Mamillaria*)
2. Hybrid Cereus
3. Echeveria Pulvi-Corn
4. Boxing-glove Cactus (*Opuntia*)
5. Necklace-vine (*Crassula*)
6. Zebra Haworthia
7. Bishop's-Cap (*Astrophytum*)
8. Devil's Cane (*Opuntia*)
9. Echeveria Gilva
10. Red Pincushion (*Mamillaria*)

What soil? Mix two parts sand with one part garden loam. This allows air to reach the roots, avoids sogginess

1. Silver Beads (*Crassula*)
2. Crested Prickly Pear (*Opuntia*)
3. Silver Torch Cactus (*Cleistocactus*)
4. Echeveria Mexican Gem
5. Moonstones (*Pachyphytum*)
6. Tiger Aloe

What light? Cacti never get too much sunlight in the winter. Move them into a bright window occasionally for a good sunning. Lack of sunshine is the reason many cacti refuse to bloom

1. Plaid Cactus (*Gymnocalycium*)
2. Moonstones (*Pachyphytum*)
3. Autograph Cactus (*Opuntia*)
4. Silver Torch (*Cleistocactus*)
5. Pink Easter-Lily Cactus (*Echinopsis*)
6. Red Pincushion (*Mamillaria*)

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With COLOR DYNAMICS you can make every room in your home glow with new life and beauty. (PHOTO COURTESY OF BETTER HOMES AND GARDENS)

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Now You Can Measure Your Home For COLOR

You can be sure of choosing exactly the right color arrangement to make your bedrooms more restful and comfortable when you paint the COLOR DYNAMICS way. (PHOTO COURTESY OF THE MENGEL COMPANY)

• **And when you use** Pittsburgh Paints you can make these new color arrangements look better longer. New SUN-PROOF House Paint retains its gleaming brightness longer than ever before. Oil-base WALLHIDE covers nearly any surface thoroughly with one coat. FLORHIDE adds lively, durable beauty to wood or cement floors. WATERSPAR Enamels give new sparkle to furniture, woodwork and metal trim.

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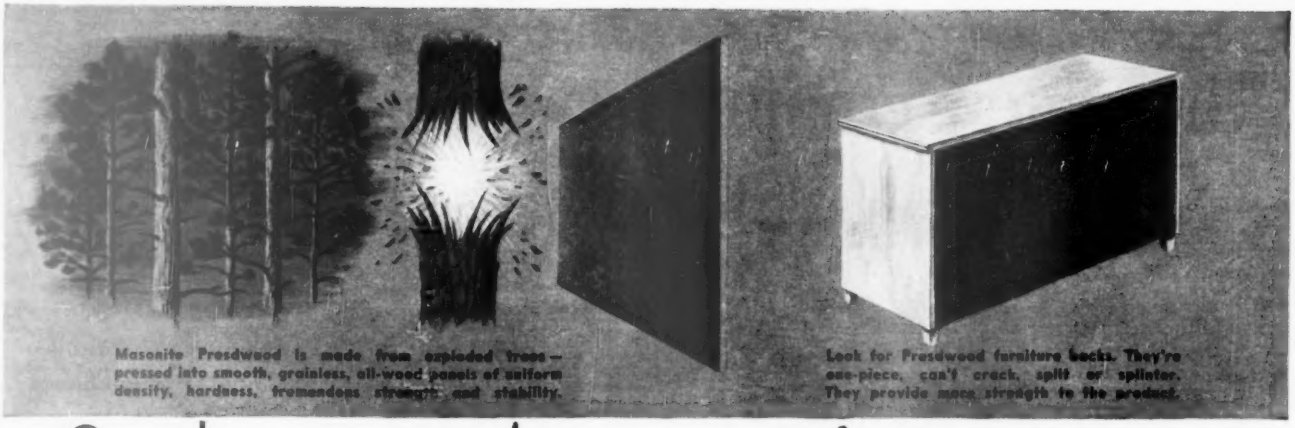
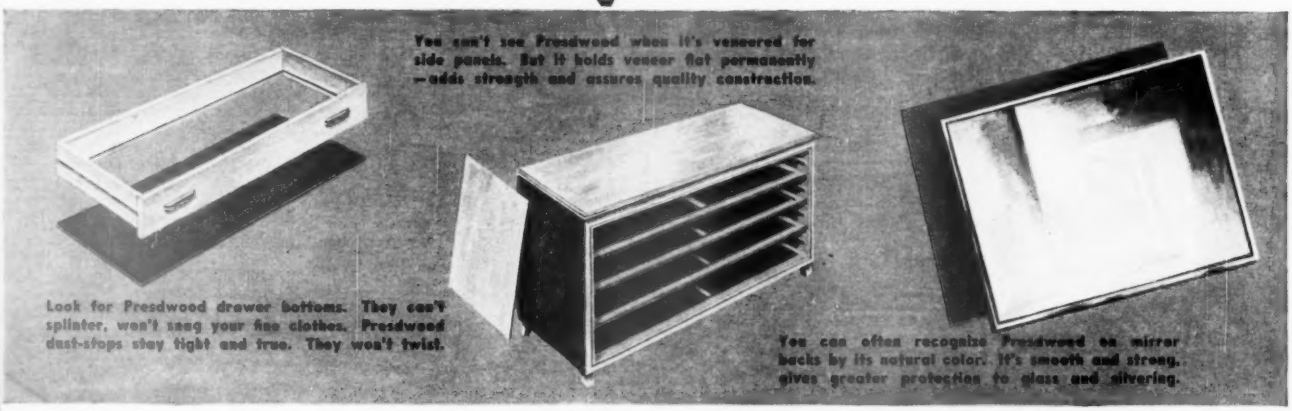


A thousand things are better—made



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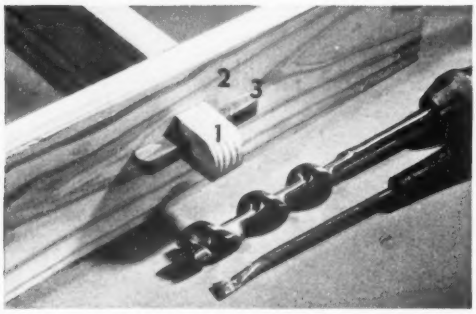
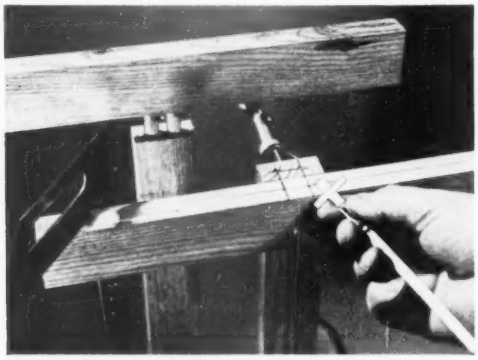
To fasten two boards together

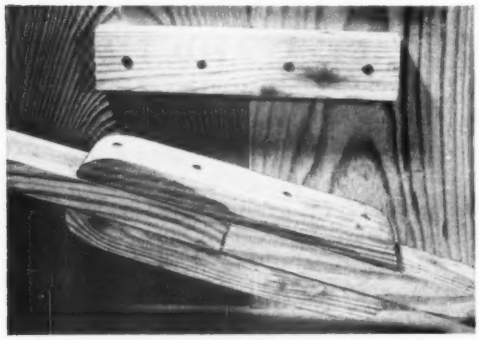
Begins on page 17



Old, but still good. The locked tenon joint is again coming into favor, especially for decorative purposes. Such a joint can easily be taken apart if left unglued. To make the joint, first draw and cut the projecting tenon (1). Drill a hole in it, and in the upright (2). Square these holes to size with a sharp chisel. Then cut the locking peg (3) from matching wood, with grain running lengthwise, and tap it in



Dowel joints. For accurate dowel joints, clamp the two wood members together (right). Mark a pencil line across both surfaces for each dowel. Use a try square (left) for marking. With a depth gauge (in hand) mark the spot on each line where dowel holes will be made. Use a prick punch to locate drilling points. When holes are drilled and dowels put in, members will line up perfectly. Glue and clamp



Using wood cleats. To join two flat surfaces, you can use a series of wood cleats (background). Attach them with nails, screws, or bolts, depending on how permanent you want the job to be. Cleats can also be used to make a fished splice (foreground) which is much stronger than a joint made by overlapping two boards and nailing. You can get the same effect in less space by substituting metal plates

More on page 175

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Presdwood is used in their construction.

Kohler 60" Wilshire Sink, *of rigid, non-flexing iron with acid-resisting, easy-to-clean enamel surface. Double drainboard, full-length ledge and two roomy basins provide maximum working convenience.*

WELL-PLANNED FOR SPACE···AND TIME

THE modern designs and lovely colors of Kohler fixtures, created for planners of beautiful and practical bathrooms, represent knowledge and artistry acquired in 75 years of manufacturing experience, 75 years of doing things well. The Times Square Bath, admired for its beauty, has a convenient corner seat and is capacious for splash-free tub or shower bathing—yet is so compact (4x4′) that it frequently allows extra closet room. The Tuscan tint is adaptable to a wide variety of decorating schemes.

Kohler quality means years of reliable service, at no extra cost. You'll find it in the lustrous, glass-hard, easy-to-clean surfaces; in the bath, with its base of non-flexing iron, cast for rugged strength and rigidity; in the precision-made, chromium-plated brass fittings, including the Triton shower with Niedecken mixer illustrated; in durable vitreous china fixtures, such as the Jamestown pedestal lavatory with its convenient graceful design.

Visit your Kohler dealer for help in selecting bathroom, washroom, kitchen or laundry fixtures. Write for illustrated Booklet A-11, Kohler Co., Kohler, Wisconsin.

KOHLER OF KOHLER

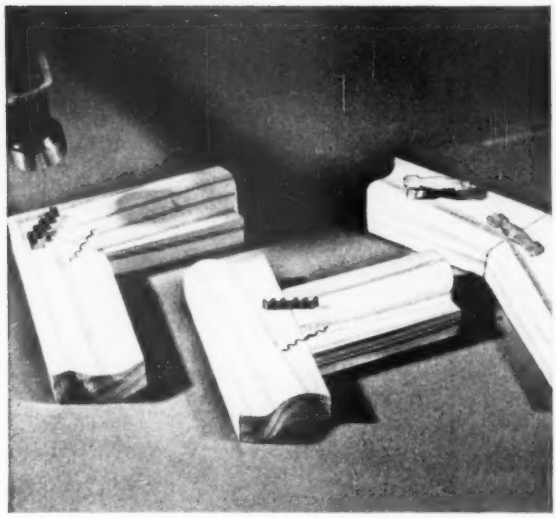
PLUMBING FIXTURES • HEATING EQUIPMENT • ELECTRIC PLANTS

To fasten two boards together

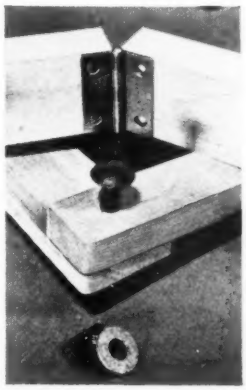
Continued from page 173

Two corner joints. Not as strong as a true lapped joint, but stronger than a butted joint, is the simple rabbet joint pictured at the top, left. Its big advantage is that you can cut it quickly with a handsaw, skipping work with a chisel.

Below is a mitered joint reinforced with a corner block held by screws. If you use a corner block, make sure the grain of the wood runs in the direction shown. Otherwise the block will split under pressure



Two metal fasteners. A joint subject to little strain may be fastened in a hurry with corrugated fasteners (used on a miter joint, left, and on a butted joint, center). To draw the two members together into a tight fit, make sure that the middle section of each fastener straddles the joint. Drive the fasteners home with light hammer taps. Scotch fasteners (pictured at the right) are also easy to apply and quite strong. Both corrugated and Scotch fasteners draw a joint together as they are driven



Bolts and hinges. Bolts are useful for holding portable structures to be taken apart frequently. Drill a hole the size of the bolt through both members, and use a washer under the nut to protect the wood. Add a lock washer to prevent the nut from coming loose if there is much vibration.

In the background is a steel hinge with a loose pin. It can be used to fasten boards that must be taken apart and reassembled quickly. It takes only a moment to remove pin, disconnect members

More on next page

FOR BETTER BASEMENTS

TRUSCON RUBBER BASE COATINGS

Yes... Your Basement Rooms Can Be *Beautiful!*

YOUR basement floors, your basement walls—you can finish them colorfully and beautifully now! That's because Truscon found a way to use genuine chlorinated rubber as a base for special basement coatings that "stay put." The lime in cement or plaster or concrete block can't harm these finishes. They go on as easily as ordinary paint—but what a difference in looks and wear! Use Truscon Rubber Base Coatings and be *proud* of your basement.

—★—

TRUSCON PARATEX RUBBER BASE FLOOR COATING

In *any* basement room—furnace, laundry, recreation—this is the way to floor beauty and floor wear. Colorful, easy cleaning, durably tough.

TRUSCON PARA STONE TEX RUBBER BASE MASONRY COATING

Is your basement cheery? Away with drab, dingy, gray, cement color walls. Have clean, bright basement walls — and stop apologizing. Ask for Truscon Coatings by name.

FREE LITERATURE—Write to Dept. C-15, *Truscon Laboratories, Division of Devoe & Raynolds Co., Inc., Detroit 11, Michigan.*

TRUSCON *laboratories*

I WEAR FALSE TEETH

yet my mouth feels fresh, clean and cool.

No "DENTURE BREATH" for me*

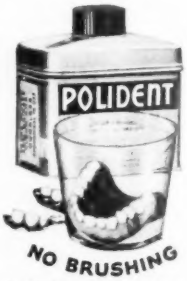
*"I know I'm free from Denture Breath these days, thanks to Polident. And my mouth feels so much better now that my plate is really clean!"
Mrs. G. C., Boston, Mass.

Keep dental plates odor-free by daily soaking in Polident

When plates taste bad—feel hot and heavy in your mouth, watch out for "Denture Breath", the oral disturbance that comes from improper cleansing. False teeth need the care of a special denture cleanser—POLIDENT. Safe, easy, quick, Polident leaves your plates clean, cool and fresh. No fear of offensive "Denture Breath".

And remember, Polident keeps your false teeth more natural looking—free from offensive odor, too. For a smile that sparkles, for a mouth that feels cool, clean and fresh—soak your plates in Polident every day.

Polident comes in two sizes—regular and large economy size—available at all drugstores. It costs only about a cent a day to use, so get a can of Polident tomorrow, sure.



Soak plate or bridge daily—fifteen minutes or more—in a fresh, cleansing solution of Polident and water.

Use **POLIDENT** *Daily*

RECOMMENDED BY MORE DENTISTS THAN ANY OTHER DENTURE CLEANSER

LOOSE FALSE TEETH?
AMAZING NEW CREAM HOLDS TIGHTER, LONGER THAN ANYTHING YOU EVER TRIED
or double your money back

POLI-GRIP
Made and Guaranteed by
POLIDENT

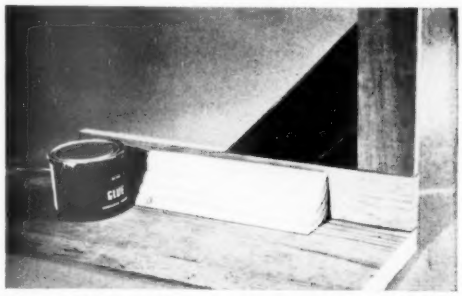
To fasten two boards together

Continued from preceding page

How to glue joints

ANY joint is stronger if you use glue to help hold it. Flake glue is mixed with hot water. Liquid animal and fish glues are ready for use. Powdered casein glue is mixed with water just before use, as are several of the new plastic glues. A powder and a special liquid are mixed to make one plastic glue that is waterproof and very durable. Newest adhesive is of polyvinyl plastic, a creamy white liquid that sets quickly and does not stain.

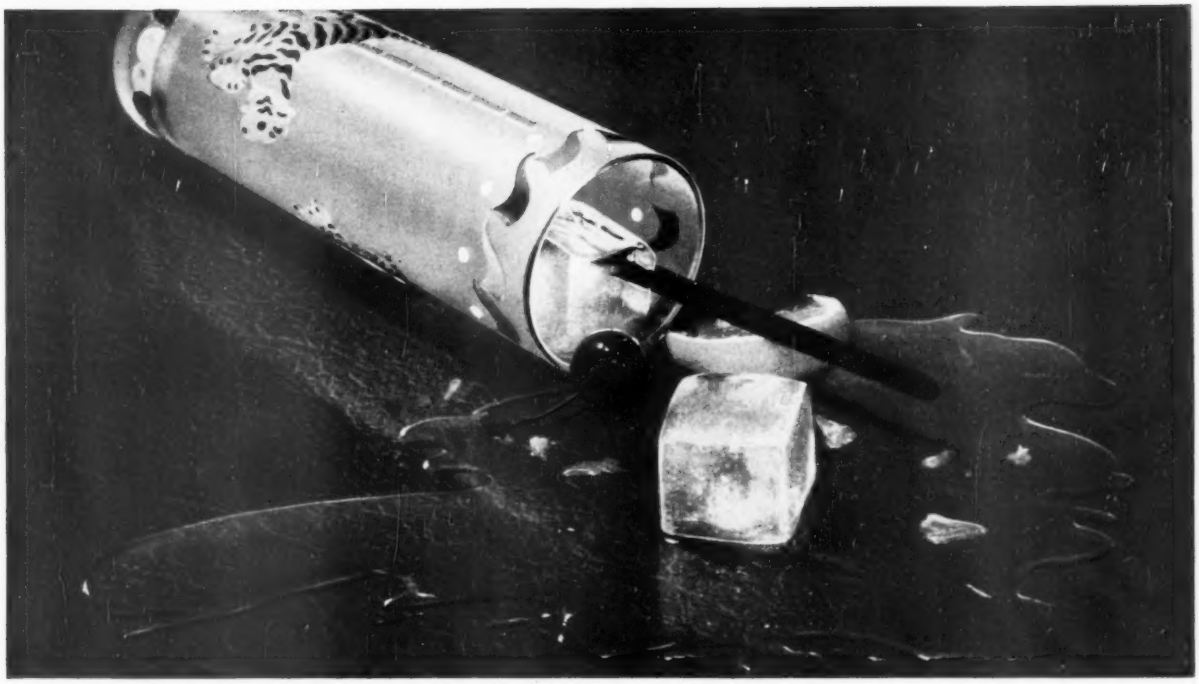
Applying glue. Use enough glue to coat both members so a surplus will be squeezed out when clamps are applied. But remember that glue is used to bind parts together, not to separate them with a thick film. A good spreader is an old saw blade, which leaves the right amount of glue when used as pictured



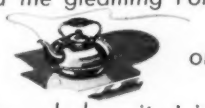
Using glue blocks. To strengthen work joined at right angles, use glue blocks. The white block could be cut into shorter lengths and spaced over a larger area. Dark block serves to reinforce a frame

Emergency glue clamp. If you don't have a wood or metal clamp of the right size, cut a strip of rubber from an old inner tube. Wrap strip around joint, stretching it as much as possible, and you'll get a surprisingly strong clamping action.

Infrared heat lamp (top) can be used to speed setting of the new plastic glues. Don't use a heat lamp so near the surface that you blister it



Question: What's tragic about this Picture? *Answer:* Nothing!

Here's mother *fixing dinner and hurrying back and forth between the colorful Formica surfaced sink-top* *and the gleaming Formica surfaced dinette-table. Here's a tea kettle of boiling water*  *on the Formica top.* *Here's a lemon* *she's squeezing for salad . . . its juice runs onto the Formica too.*

Here's sister in the bathroom prettying up *for the company, with her cosmetics spread out over the Formica surfaced lavatory dressing table. And here's dad entertaining the company* *with cocktails around the Formica topped coffee-table.* *(Look—no coasters.)*

Beauty Bonded

FORMICA

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at Home with People
at Work in Industry

Guaranteed by Good Housekeeping

Moral:

Formica is wonderful for practically every horizontal surface in your home. Its colors stay bright and wipe clean with a damp cloth. You can use it with confidence, abuse it without regret.

Formica topped furniture is available in better stores everywhere. Your local Formica fabricator offers you various colors, patterns, and Realwoods for custom work for your own home. Look for the Formica Trade Mark when you buy. It is your assurance of the genuine. Formica meets and exceeds NEMA standards and has been granted the Good Housekeeping Guaranty Seal.

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RITZY-BUT EASY!

(IT'S REAL MINUTE TAPIOCA—FULL OF COUNTRY-KITCHEN GOODNESS)

Perfect Parfait—APRICOT TAPIOCA CREAM!

1 egg yolk
2 cups milk
3 tablespoons sugar
¼ teaspoon salt
3 tablespoons Minute Tapioca
1 egg white
2 tablespoons sugar
½ teaspoon vanilla
1½ cups cooked apricot purée

Mix egg yolk with a small amount of the milk in saucepan. Add remaining milk, 3 tablespoons sugar, salt, and Minute Tapioca. Place over medium heat. Cook until mixture comes to a full boil, stirring constantly—this takes 5 to 8 minutes. (Do not overcook . . . mixture thickens as it cools.) Remove from heat.

Beat egg white until foamy throughout; add 2 tablespoons sugar, 1 tablespoon at a time. Continue beating with rotary egg beater until mixture will stand in soft peaks. Add hot tapioca mixture, stirring constantly. Add vanilla. Cool, stirring after 15 to 20 minutes. Chill. Turn into parfait glasses, alternating tapioca cream with apricot purée. Garnish with whipped cream. An elegant dessert for 6 people! So lavishly luscious—so full of homemade goodness—no one would ever dream it's so quick and easy to fix. And thrifty, too.

• • •

A word to brides! If you're a kitchen tenderfoot—you may never have used real, genuine Minute Tapioca! (It was not available during the war years.) So make up for lost time! Discover all the glorious things Minute Tapioca can do for you. More wonderful recipes on box.

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A Product of General Foods

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easy GRAVY MASTER thrifty
makes gravy taste and look good too!
EVERY BOTTLE SHOWS HOW—TRY IT

Ways to cook and serve onions

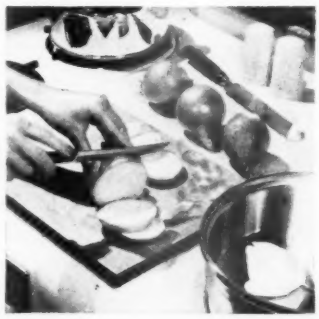
INSTEAD of reaching in the onion sack for *one* onion to season a salad or chop into the stew or into a casserole, get out enough onions to fill the vegetable dish for dinner tonight.

Fix a bowl of little creamed onions topped with parsley and a pat of butter, or pan-fry onion slices, or glaze small whole onions for the meat platter.

Or fix French Onion Soup—soup that has all the flavor of a chef's special—or Cream of Onion Soup, with crisp bacon bits and a topping of cheese.

There you have five ideas for serving onions. Recipes are below. For French-fried onion rings, look on page 112 of your October, 1948, issue of *Better Homes & Gardens.*

More on page 180

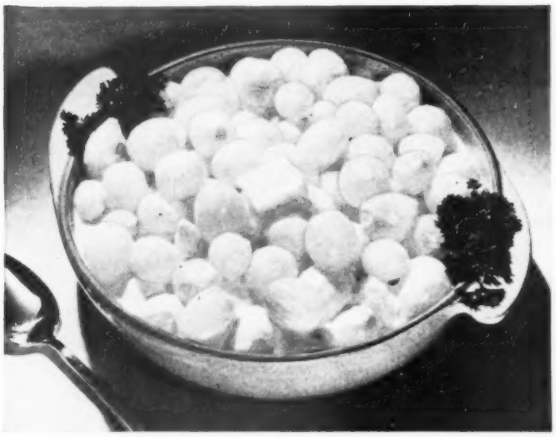


Liver 'n' Onions

Slice onions in fourths before peeling them. Then dry skin slips off easily (picture, left). While you're slicing the onions, melt fat in a skillet—it takes 5 or more tablespoons fat for 6 to 8 onions. Add onions to melted fat. Cover and simmer over low heat until tender, about 30 minutes. Add a little water if needed to prevent onions from browning too much. Turn once. Below: Serve with slices of pan-fried liver

Creamed Onions

Cook 2 pounds small, white onions in 3 quarts boiling, salted water until just tender, about 15 minutes. Drain (picture, right). Add onions to 2 cups medium white sauce. To make the white sauce: Melt 4 tablespoons butter; add 4 tablespoons enriched flour; blend. Gradually stir in 2 cups milk; cook over low heat till smooth and thick, stirring constantly. Season with salt and pepper. Below: Garnish creamed onions with parsley and a pat of butter. Serves 6



Photographs: Wesley Bowman

French Onion Soup

Simmer 2 cups thinly sliced onions in 2 tablespoons butter or fortified margarine until they're lightly browned. This takes about 15 minutes. Picture, right: Add 4 cups bouillon or consomme (make your own or use concentrated meat extract) and heat to boiling. Pour French Onion Soup into hot soup bowls. Below: Top the soup with rounds of dry toast and sprinkle with grated Parmesan cheese. Pass extra cheese at the table. Serves 4

$20,950 GIVEN IN PRIZES

FOR *Presto* COOKER *"Quickies"*

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More Food for what you pay... More Leisure every day

with easy, safe, wonderful to use

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More homemakers have purchased these best-kitchen-helpers than all other makes of pressure cookers combined. PRESTO COOKERS are the *world's fastest-selling pressure cookers* because they are unexcelled for cooking results, quality of construction, efficiency of performance, and beauty of design.

Guaranteed by Good Housekeeping

Illustrated is the new "FRY-MASTER"!

Presto COOKERS are available in 10 models or matched sets of 2 to 5 units.

TOUGH OLD BIRDS OR BUDGET MEAT... WHEN PRESTO-COOKED, BECOME A TREAT.

A PRESTO-COOKED VEGETABLE, DONE IN A MINUTE... HAS MORE FLAVOR AND VITAMINS IN IT.

FOR BABY'S HEALTH AND BABY'S PLEASURE... PRESTO-COOK HIS DAILY MEASURE.

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50 Additional Cash Prizes of $50.00 Each
1,000 Prizes of 1 "Companion" PRESTO COOKER Each

Here's a cute little contest you'll want to cut in on. Read the PRESTO COOKER *"Quickies"* in this advertisement. Then write one yourself.

It should be easy for you to win one of the 1,054 prizes in this simple, fascinating contest. No labels or facsimiles to send.

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FREE ENTRY BLANK! GET YOURS NOW, AT YOUR PRESTO COOKER DEALER.

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GIVEN ... with Every PRESTO COOKER ... at no extra cost, a beautifully illustrated, 128-page recipe book, with easy-to-follow, illustrated instructions for PRESTO Cooking and Canning.

EXCLUSIVE! ... Only PRESTO COOKERS have the Pressure-Tru, 5-10-15 lb. indicator. Safe! Sure! Simple! ... for hi-speed cooking and pressure canning. Tells how much pressure is in the cooker at all times.

BUY ONE OR A SET OF THESE KITCHEN TREASURES ... FOR COOKING JOY AND EATING PLEASURES:

The "FRY-MASTER" For tastier, more appetizing, more easily digested foods, fried faster.

6 quart **"MEAT-MASTER"** (Choice of 2 models.) Holds 5 pint jars for canning.

COOKER-CANNERS. Available in 3 sizes ... 12-quart, 16-quart and 21-quart. All equipped with 5-piece accessory set and recipe book.

4 quart **"COOK-MASTER"** (Choice of 2 models.) Holds 3 pint jars for canning.

3 quart **"VEGE-MASTER"** (Choice of 2 models.)

PRESTO COOKERS are priced from $11.95.

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NATIONAL PRESSURE COOKER COMPANY, General Offices and Factory: Eau Claire, Wisconsin

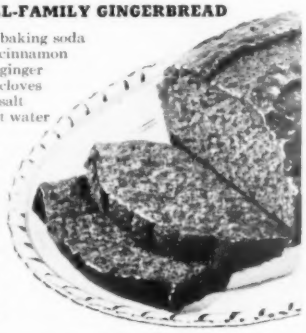
Branch Factories: Menomonie, Wis.; Los Angeles, Calif.; Wallaceburg, Ont., Canada

In early Mississippi steamboat days, folks up-river welcomed molasses from New Orleans

Brer Rabbit's new, quick SMALL-FAMILY GINGERBREAD

¼ c. shortening
¼ c. sugar
½ c. Brer Rabbit Molasses
1 egg
1¼ c. sifted all-purpose flour
¾ tsp. baking soda
½ tsp. cinnamon
½ tsp. ginger
¼ tsp. cloves
¼ tsp. salt
½ c. hot water

Slowly melt shortening in saucepan; cool. Add sugar, molasses and egg; beat well. Sift together flour, baking soda, cinnamon, ginger, cloves and salt; add alternately with hot water to first mixture. Line 9¼" x 5¼" x 2½" greased loaf pan with greased wax paper; pour in batter. Bake in moderate oven, 350°F., 45 min. Cool 5 min. Remove from pan. Delicious served warm with ice cream.



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FREE! 50-page book. 124 valuable recipes. Washable cover. Illustrated. Address: **BRER RABBIT**, c/o Penick & Ford, New Orleans 7, La., Dept. B-3.

Name _____
(Please print name and address)
Address _____
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BRER RABBIT New Orleans **MOLASSES**
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NEW "Ballerina"

Gay Colored Glaze Dinnerware...

The rhythmic balance and dramatic color of the ballet captured in this modern new dinnerware by Universal! Four lovely pastel colors—Jonquil Yellow, Periwinkle Blue, Jade and Cocotan—two of each, for example, in a service of eight. So *practical*, too . . . larger serving area on plates . . . easy to clean . . . *guaranteed ovenproof!* Inexpensively priced at good stores. Choose Ballerina for yourself . . . for gifts!

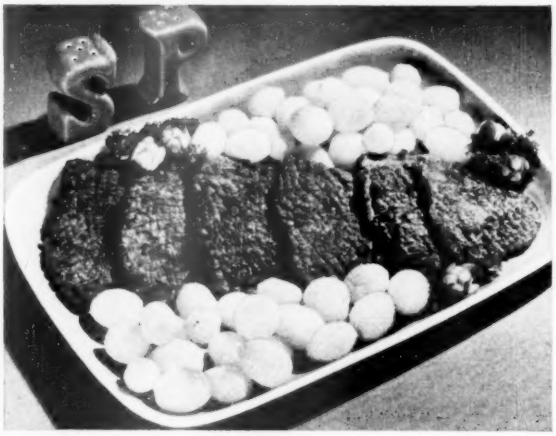
UNIVERSAL POTTERIES, INC. • Cambridge, Ohio

Ways to cook and serve onions

Begins on page 178

Glazed Onions With Cubed Steaks

Cook 2 pounds small, white onions in 3 quarts boiling, salted water until just tender, about 15 minutes. Drain. Meantime, melt ⅓ cup butter or fortified margarine and stir in ½ cup sugar. Picture, left: Add the drained onions and cook over low heat about 15 minutes, stirring occasionally to glaze all sides. Below: Serve glazed onions with pan-fried cube steaks. Serves 6



Cream of Onion Soup

Dice 2 slices bacon; fry till just crisp. Picture, left: Add 1 cup thinly sliced onions and ⅓ cup diced celery. Cook until golden. Stir in 2 tablespoons enriched flour, and ½ to ¾ teaspoon salt. Gradually add 3 cups milk. Cook over low heat until smooth and thick. Stir often. Add ¾ cup grated American cheese; stir till melted. Below: Serve in hot bowls with croutons. Serves 4

You'll be delighted with this colorful, helpful GUIDE to planning a water system successfully. You gain the benefits of years of experience FREE! Here are unvarnished FACTS to help you protect your investment in the water system you need and will be proud to own. *You NEED this FREE GUIDE. Write for it!* The Deming Company, 500 Broadway, Salem, O.

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PUMPS AND WATER SYSTEMS

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BIG BOOK of House Plans in Colors 25¢

Handsome Big CATALOGUE
Pictures wonderful homes in colors at money-saving prices. Designs to suit everyone. Send 25c for catalogue today.
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292 Lafayette Ave., Bay City, Michigan

I'VE BIN OILIN' THINGS FER 50 YEARS WITH 3-IN-ONE!

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3-IN-ONE OIL
T.M. REG. U.S. PAT. OFF.

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INSTALL IT YOURSELF .....THIS WINTER

Light weight no foundation. Entire chimney shipped complete. SAFE...Underwriters' and FHA approved. A lifetime chimney, safer than brick at less than half the cost. Immediate delivery.

WRITE FOR FREE BOOKLET describing fully the Van-Packer Packaged Chimney.

Van-Packer Corp., 137 South La Salle St., Chicago 3

RELAX mirrors and pictures will stay up when hung with **MOORE** PUSH-EASY PICTURE HANGERS

For lighter wall decorations, curtain tie backs, etc.

MOORE PUSH-PINS
Each 10¢ a packet at hardware, department and stationery stores. Higher in Canada.

MOORE PUSH-PIN CO., Phila. 44, Pa.

Earning by eating

It takes a large part of the modern worker's income to buy "something to eat." But Johann Ketzler, an eighteenth-century German, made his living by eating!

A professional glutton, his only livelihood was from winning bets about eating. His first bid for fame was the consumption of three roast geese, weighing 19 pounds, in little more than two hours.

Ketzler's longest meal lasted 42 days—the time it took him to polish off a half-ton ox, roasted whole. But his most popular feat, which he repeated whenever he could get anyone to wager that he couldn't do it, was to eat three pounds of hay—dry—in an hour and a half! —*Webb B. Garrison.*

Where to get it

Most items shown in this issue should be available in your local stores. If, however, they are not, for your store's convenience in ordering, we list the names of the companies making the items.

Hawaii comes to your table

Page 62. All accessories: Trader Vic, Oakland, California.

Planned around an entrance hall

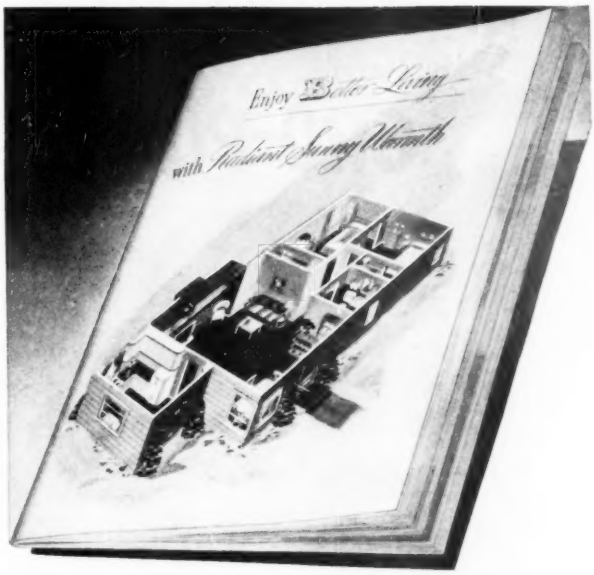
Page 38: Air-conditioning system: Servel "All-Year" air conditioner, Servel, Inc., Evansville, Indiana.
All furniture: "Precedent" by Drexel Furniture Co., Drexel, North Carolina.
All lamps: Lightolier Co., Jersey City, New Jersey.
Page 40. Living room. Carpet: "Corsair" No. 8201, Archibald Holmes, Philadelphia, Pennsylvania.
Drapery fabric: "Santa Barbara Bouquet," No. 171243, F. Schumacher Co., New York.
Sectional sofa upholstery: "Gold," No. 88332, F. Schumacher & Co., New York.
Arm and side chairs: "Mocca" with gold thread, No. 32257, F. Schumacher & Co., New York.
Loafer chair: "Flamingo" No. 88500, F. Schumacher & Co., New York.
Page 41, 134. Owner's bedroom. Carpet: "Senate Grey," Mohawk Carpet Co., New York.
Bedspread fabric: Turquoise Mecca cloth, Charles Bloom, Inc., New York.
Wallpaper: Bon Ton No. 70461, Imperial Paper & Color Corp., Glens Falls, New York.
Page 134. Girl's bedroom. Draperies, bedspread, valance, chair covers: Rose quilted and Cinderella pattern, Everglaze chintz, Kandell, Inc., New York.
Rug: Cabin Craft, Dalton, Georgia.
Page 41. Kitchen. Wallpaper: Wall-tex No. 3232, Columbus Coated Fabrics, Columbus, Ohio.
Covered cornice: Flowered print, Everglaze Chintz, Kandell, Inc., New York.

These dishes do double duty

Page 220. All dishes: Winfield Pottery Division, 1825 Stanford Street, Santa Monica, California.
Page 221. "Heath" dinnerware: Pacific Shop, San Francisco.
Page 222. Top and center pictures. All dishes: Winfield Pottery Division, 1825 Stanford Street, Santa Monica, California.
Copper skillet: Ruhel & Company, 225 Fifth Avenue, New York City.
Bottom picture. Metal tableware: Florence Thomas, 33 East Union Street, Pasadena, California.
Pottery bakers: Los Angeles Potteries, 11700 South Alameda, Los Angeles.

Rubbers slip on

If your child's rubbers are a tight fit, slip a piece of paper under the heel of his shoe. The rubber will slide over more easily.—*Mrs. J. Brown, St. Paul, Minnesota.*



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Radiant Ray Heating*

It will help you make your most important home-planning decision

I DISCOVERED

why sunny radiant rays are so important to winter comfort—and why a Radiant Ray* Heating System keeps every inch of your home at a livable temperature—gives you *all the essentials* of good heating.

And not least, I found out how to have oceans of hot water, both Summer and Winter, from the same boiler that heats the house.

AND I WAS DELIGHTED TO LEARN

how economical Radiant Ray* Heating could be. It can be so controlled that your home is neither over nor under-heated—fuel is used only as demanded by the weather. I never realized before that a hot water or steam heating system is virtually a lifetime installation, with amazingly little up-keep.

If you plan to build or modernize your home, my advice is—read "Enjoy Better Living with Radiant Sunny Warmth."

**The warmth you get with radiators, baseboards, panels or convectors.*

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Please send your Free Booklet, "Enjoy Better Living with Radiant Sunny Warmth."

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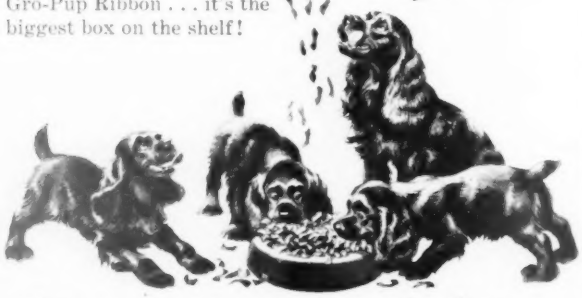
For "sniff appeal" heap his dish with wonderful Gro-Pup Ribbon. Crunchy-good . . . and nourishing!

Dogs crave *solid food* . . . and that's what they get in Gro-Pup. Top quality protein—in skim milk and homogenized fish. Meat meal, too. Plus many "dog thrive" ingredients, including every vitamin and mineral dogs are known to need!

Give your dog Gro-Pup—for sleek coat, good condition and lively bounce! It's veterinary-approved . . . it's the *only* Ribbon-type dog food available!

THRIFTY, TOO! Not 70% water like most canned dog foods. With Gro-Pup *you* add the water! You get over 1½ lbs. of solid nourishing food in a single package of Gro-Pup Ribbon . . . it's the biggest box on the shelf!



Yes, Smackin' Good... it's Kellogg's

Your dog and mine

By Russell K. Lowry

Photograph: Marion Pease

Act startled, excited when the doorbell rings; soon you'll have a watchdog

What is the best way to train our 6-months-old pup to be a good watchdog?—E. R. L., California.

Well, all dogs are naturally suspicious of strange sounds. Play up to this trait by appearing excited, fearful, and startled when the doorbell rings. Rush forward and, by hoarsely whispered urgings, arouse your dog's attention. Then retreat furtively, as though in fear. This excites the dog, puts him on edge. Soon, he'll react with a sharp bark—and look at you questioningly. Pat him to encourage his alertness. Repeat this at every opportunity. Nothing much to it—just a little dramatic acting on your part. In fact, teaching a dog to be a good alarm clock is as easy as teaching him to eat.

Our community has had a plague of ticks for the past several years. Nothing seems to keep ticks off my dog. Is there anything we can do to avoid another tick plague this summer?—C. A. S., New York.

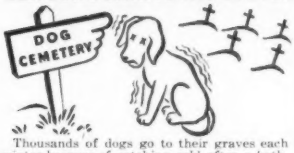
We receive many letters from dog owners in your area about the tick condition. You can't spray the entire outdoors. But you can try to get local authorities interested in a cleanup campaign. Do away with brush piles, refuse heaps, heavily weeded or grassy areas—all favorite breeding spots for ticks. DDT is effective against ticks. Spray it on your dog and around his living quarters. Be sure to use only a water-base (wettable) solution. But remember, if your dog roams, he'll bring home fresh ticks every night.

My 6-year-old dog has fits. He will suddenly topple over, wave his paws in the air, work his jaws and froth at the mouth. In a few minutes he will get up, shake himself, and appear none the worse for his experience. But his gait will be unsteady for an hour or so. What causes this condition and can it be cleared up?—E. W. C., New Hampshire.

Any number of things can cause fits—teething, worms, indigestion, improper or deficiency feeding,

▶ Have you a problem in dog feeding, care, training, disease prevention? Address your questions to Russell K. Lowry, "Your Dog and Mine" Editor, *Better Homes & Gardens*, Des Moines 3, Iowa. Enclose a stamped, addressed envelope.

Bathing Your Dog Can Send Him To His Grave!



Thousands of dogs go to their graves each winter because of catching cold after a bath. Don't risk *your* dog—use Sudbury Hygienic Cleaning Powder instead. It's better than water—leaves coat silky and clean.

A Dry Bath Is Better

No fuss! No splashing! This is the easy way to clean your dog—he'll like it, for instinct makes him fight water baths. Takes less time too. Constant bathing with water also causes dry skin and shedding hair.

Easy to Use. Shake on, rub in, brush out! The powder goes right down to the skin, takes out dirt, helps prevent fleas, removes odor. Used and recommended by leading kennels.

Send No Money! Order Hygienic Cleaning Powder, big shaker pkg., C.O.D. $1. plus postage (or just enclose $1 bill at our risk and we will pay the postage).

SUDBURY Hygienic CLEANING POWDER

Powder Chaperone $1. Keeps dogs off furniture, etc.; makes them behave indoors. Entirely harmless.

SUDBURY LABORATORY
Box 725 South Sudbury, Mass.
Dealers Write for Special Offer

Treat faulty diet—the real cause of much itching, sore skin, loss of coat. Canned, dried and heated foods often lose valuable "fresh" factors necessary to skin health. Rex Oil is 60% linoleic fat—the essential "skin vitamin." Just add a little to the daily food. See a much improved dog in three weeks or money back. At drug and pet stores or send $1.00 for two months supply to Rex Oil, Monticello 4, Illinois.

Rex Wheat Germ Oil

I'm singing for SPRATTS

Your bird will sing his sweetest when you feed him SPRATT'S Bird Seed!

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More for your Flooring Dollar

Blocks of beautiful northern oak (light or dark) create interesting, charming patterns that assure a lifetime of appeal and satisfaction. Exclusive design features produce a floor that remains permanently smooth and flat . . . because each block is securely locked in position. Scratch resistant factory finish cuts laying costs, time and inconvenience of messy on-the-job sanding, sealing, varnishing and waxing.

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Dept. BH Grand Rapids, Michigan

approaching distemper. However, in an older dog, the condition is usually induced by intense pain, often from some liver or kidney disease. The best thing to do is have your dog checked by a veterinarian, one who has the tools to do the job, including X-ray. In every case, a fit calls for prompt attention.

We have an 8-weeks-old puppy. What are the important points to follow in raising him?—J. F. W., Missouri.

The important principles of dog care parallel those that apply to men. They are (1) good, nourishing food; (2) fresh, clean water; (3) dry, comfortable sleeping quarters; (4) exercise and fresh air.

My cocker spaniel gets matted hair around his ears and on his legs. I can't seem to comb it out. How can I do so without hurting the coat?—Miss G. M. R., Virginia.

Try a steel comb. If this won't go through the mats, you'll have to cut them out with scissors. In the future, comb and brush your dog three times a week. All long-coated dogs develop hair mats if you neglect their grooming.

I want to give my daughter a puppy for her birthday. What are the things to look for and to look out for?—R. C. M., Ohio.

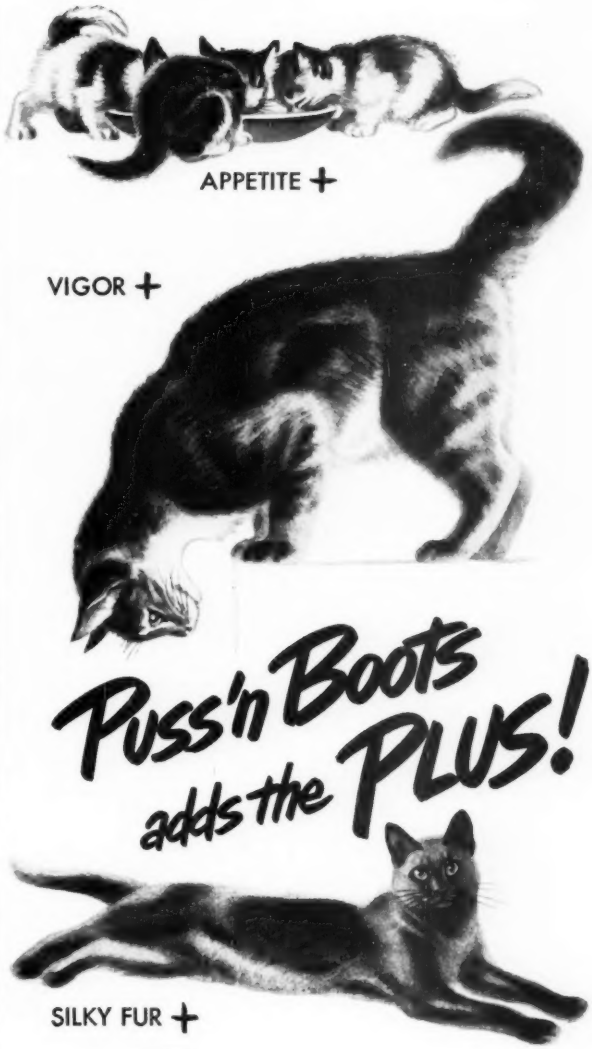
Pick a sturdy, robust-looking animal who's alert, full of life, and wants to bite the buttons off your coat. Teeth should be sparkling white, gums pink and glowing. Legs should be straight, with feet and pads of good size. Look on his stomach for fleas. Test his hearing by snapping your fingers or singing. Ask the seller to take the pup's temperature. Anything over 102 degrees is grounds for rejection. Avoid a pup with runny eyes or nose. After you take your pup home, remember that good food is 95 percent of good puppy care. And have the animal inoculated against distemper at three months.

We live on the edge of town, have a lot of ground, and want a dog for our children. We like a St. Bernard for its size, disposition, and looks. But a friend told us that St. Bernards have weak legs and that they don't live more than five or six years.—W. W. C., New Jersey.

There's nothing wrong with a St. Bernard. Buy a puppy, then include plenty of bonemeal, cod-liver oil, and a vitamin and mineral supplement in the daily food dish. All large breeds—St. Bernards, Great Danes, Great Pyrenees, Newfoundlands, wolfhounds and the rest—need an ample supply of these calcium sources to help grow their big bones and teeth. You can't beat a St. Bernard for well-balanced temperament, intelligence, companionship, and loyalty.

My dog is 8 years old and getting so fat she can hardly walk. How can I bring her weight down without endangering her health?—Mrs. H. G. P., Virginia.

Cut down on the amount of food a good 25 or 30 percent, and increase the ratio of meat slightly. Then, exercise your pet all you can.



Feed this nutritionally complete cat food and see your cat grow healthier

Cats are seldom sick. So it's only natural that their owners may think them perfectly healthy.

But owners tell us that when they begin feeding Puss 'n Boots, they notice a marked improvement in their pets.

That's because Puss 'n Boots, made especially for cats, meets all their nutritional requirements.

It's a scientific diet designed to supply *every* need—to give a glossy coat, bright eyes, strong bones and muscles, pep and playfulness. For an outstandingly healthy pet, feed Puss 'n Boots.

Puss 'n Boots is made of 85% fresh-caught whole fish		
FISH	for	strong tissues, maintenance, growth
Bone	"	strong bones and teeth
Liver oils	"	healthy skin, glossy fur, energy
Mineral salts	"	good blood, nerves, tissue growth
To which are added other carefully selected elements		
Rice Polish	for	good disposition, energy, growth
Corn gluten and ground barley	"	energy
Alfalfa greens	"	healthy skin, regularity
Peanut and linseed meals	"	good eyes, appetite, digestion, steady nerves
Thoroughly cooked in the can .. vacuum-packed .. safe		

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YOUR FINGERS PRESS the keys of your Hammond Organ and your cares are lost in the music.

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The Hammond Organ is priced no higher than most fine pianos. Just plug it into an electric outlet and play. The Hammond Organ never needs tuning and you can move it wherever you like.

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See and hear the Hammond Organ at your dealer's. Play it yourself. Then you'll understand why it is the world's most widely-used complete organ, proved by performance in thousands of homes and churches for many years. For the name of the dealer nearest you and more details about the Hammond Organ, mail the coupon now.

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Without obligation, send me full details about all models of the Hammond Organ.

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What a dryer can do

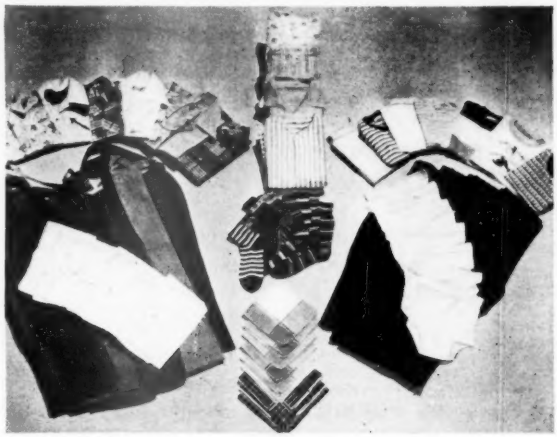
Can garments or linens be used direct from dryer?

Yes, cotton jerseys and knit rayons dry in dryer smooth and in proper shape, with no stretched pin marks. Slipcovers, taken from dryer while they are still steamy, can be put back on the furniture without ironing, and will dry snug and smooth. Rough-textured luncheon cloths and place mats, diapers, seersucker playwear, and flannel pajamas from dryer require no pressing.

How about bath towels?

Out of the dryer, they'll always be as billowy and velvety as an ideal breeze would make them. A dryer will fluff chenille bedspreads and

It can cut child's washable wardrobe and



Dryers save money spent for washable clothing. Here's outfit of 6-year-old schoolboy whose mother washes weekly with no dryer

It can cut family linen supply and save

Linen supply for average family without dryer is based on a once-a-week laundry day. Here we see a typical family linen closet

for you

Continued from page 70

quilts till their patterns show up to best advantage. And a dryer will make the pile in corduroys or velveteens thick and soft as new.

How much time will it save?

First estimate the time it takes you to carry the baskets of clothes to the line, hang the clothes up, take the clothes down, and tote them back to the house. If you take an hour each week, this means you spend almost seven eight-hour days every year hanging clothes. A dryer saves you that time. If you cut out sprinkling, you'll probably earn at least a half hour more each week. By wearing corduroys, knits, and garments smooth and

[*Turn to next page*

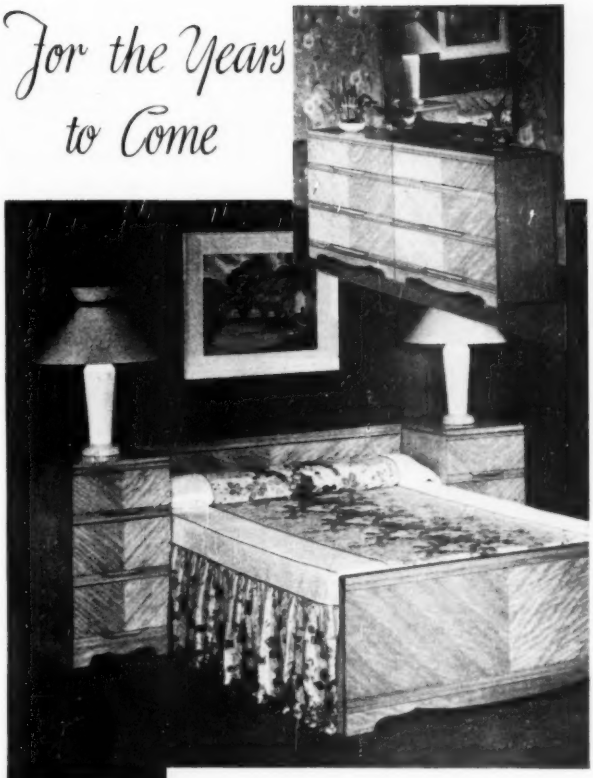
save money and drawer space

Here's outfit needed by same 6-year-old when mother has a dryer. Dryer cuts wardrobe needs in half because dryer user washes often

much-needed shelf space

With dryer, linens can be cut in half because a dryer quickly replenishes linens. Saves precious storage space as well as money

For the Years to Come



HUNTLEY *Modern*

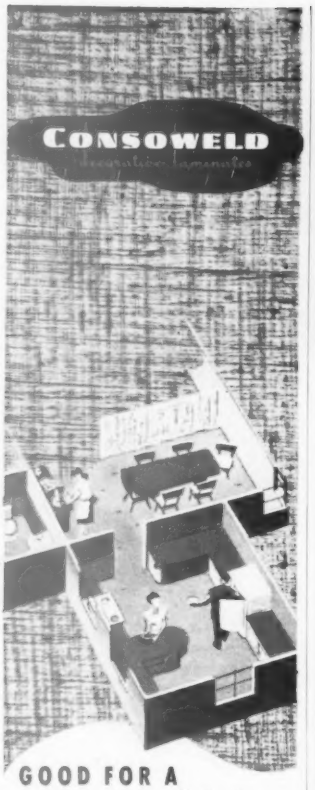
BLONDE FUNCTIONAL

The clean, sweeping lines of this Huntley Modern Bedroom Group are accentuated by the natural blonde V-matched striped Avodire wood—here given a natural toned lacquer wheat finish that lives and preserves. An unseen, but very important, feature is that all drawers work smoothly in any climate, an important mark of good cabinet work throughout . . . but you can see it for yourself at most of the country's better department and furniture stores in February and March.

Booklet on request.

B. F. HUNTLEY FURNITURE COMPANY
Winston-Salem, N. C.
BEDROOM AND DINING ROOM FURNITURE

HUNTLEY QUALITY STANDARD



GOOD FOR A *colorful lifetime*

Building, remodeling and modernizing call for the enduring beauty of colorful Consoweld . . . the miracle molded plastic surfacing. For kitchen, dinette, bath, recreation room or nursery . . . Consoweld means luxurious-to-live-in, functional, handsomeness.

Practical Consoweld is resistant to moisture, heat, alkali and acids . . . wipes sparkling clean with a damp cloth. It's economical, too, because it doesn't require periodic painting or resurfacing. Consult your architect or contractor—see the wide array of smart patterns and sparkling colors at your Consoweld dealer.

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Name of your nearest Bldg. Materials Dealer _____

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CONSOWELD Plastics Division
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Look for the Consoweld trade mark on dinette sets and kitchen cabinets made by leading manufacturers.

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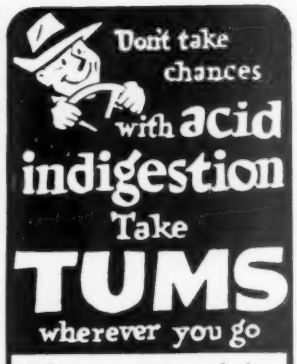


Don't take chances with acid indigestion Take TUMS wherever you go

Whenever you travel—by car, by plane, by bus, by train — buy Tums first! Tums relieve acid indigestion and heartburn almost instantly. You feel better fast! With Tums, nothing to mix or stir. And Tums contain no baking soda (bicarbonate). So no danger of overalkalizing—no acid rebound. Travel in comfort. Travel with *Tums!*

Night and day, at home or away, always carry TUMS FOR THE TUMMY!

To feel better, try one or two TUMS after breakfast.

QUICK RELIEF FOR ACID INDIGESTION

TEETHING PAINS RELIEVED QUICKLY

WHEN your baby suffers from teething pains, just rub a few drops of Dr. Hand's Teething Lotion on the sore, tender, little gums and the pain will be relieved promptly.

Dr. Hand's Teething Lotion is the prescription of a famous baby specialist and has been used by mothers for over fifty years. One bottle is usually enough for one baby for the entire teething period.

Buy it from your druggist today

DR. HAND'S TEETHING LOTION

Just rub it on the gums

For Cracked, Chapped SKIN

Old standby of half a century. White CLOVERINE Brand SALVE, softens and soothes. For surface burns, chafing, sunburn, aching feet, chilblains, 25c at druggist or agent.

Wilson Chem. Co., Tyrone, Pa.

What a dryer can do

fluffy from the dryer, you can cut your ironing in half. Supposing you save an hour and a half ironing time. That brings the total weekly time earned by your dryer to three hours. And, according to a study made by one of the dryer manufacturers, about half the women who own dryers estimate that they *do* save three or more hours every week. Or about 20 eight-hour days each year. Thus a dryer gives you a yearly two-weeks vacation—that leisure time you want.

Will a dryer kill germs?

Yes, its high moist heat kills many bacteria. And one manufacturer has added an ultraviolet-ray lamp which kills other bacteria resisting ordinary heat. Thus a dryer reduces the chance of passing around infections and colds.

Will my linens stay as white?

Yes, maybe more so. Contrary to popular notion, sunshine doesn't keep clothes white. Science tells us that soap curd left in clothes may be oxidized by the sun; this causes clothes to be *more* yellow than when they're dried in the shade. Thorough rinsing and an occasional mild bleach solution keep clothes white better than sunshine. And in the dryer, your clothes are protected from soot, dust, and smoke. Nor do you have a dirty clothesline or clothespins to leave marks.

As for colors, many fade in the sun and stay bright much longer in the dryer.

Will clothes smell fresh?

A group of women were asked to pick out from a mixed bunch of clothes those which had been line-dried and those which had been dryer-dried. They couldn't tell the difference.

One manufacturer has added a device in his dryer which produces ozone, or purified air, which gives freshly dried clothes an outdoors odor.

What types of dryers are there?

There are both electric and gas models, heat provided by an electric element or a gas flame. Gas dryers are available for all types of gas. Electric dryers require a 3-wire 220- or 240-volt service; gas dryers need 110- or 120-volt line for motor and light.

Both of these dryer types have insulated cabinets of enamel baked on steel.

Will it dry everything?

Be careful about wool blankets and wool garments. The agitation of tumbling in the dryer may cause woolen fibers to mat and shrink. If there isn't sufficient breeze outdoors, you may put woolens in the dryer a few minutes before they are completely dry, to fluff them.

Where should I put it?

Place it near the washer and ironing equipment, so that you can wash, dry, and iron in 1-2-3 succession. If you have a first-floor utility room, or laundry unit in your kitchen, you should install a vent for carrying steam exhausted from dryer to outside of house. If you put dryer in basement, a vent may not be necessary.

Is a dryer hard on clothes?

No. A study made at one university showed that terry towels dried in the dryer lost less weight after 50 dryings than did an equal number dried on the line in the

It can cut ironing in half, if you choose clothes like we picture here. These are direct from dryer—all smooth and ready to wear, fold for the drawer, or hang in the closet—without ironing. Work- and timesaver!

for you

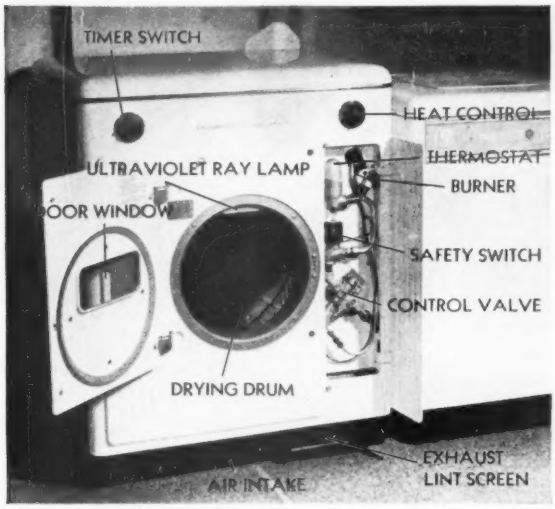
Continued from page 185

wind. Although the clothes tumble about in a heated basket for a time, there is not the strain of freezing, the stretching caused by hanging, and the whipping caused by wind. You may worry when you see lint from the clothes collecting on the dryer's trap screen. Actually the tumbling process only frees lint loosened in washing. Clothes lose lint on the line, too, only you don't notice it.

What care does a dryer need?

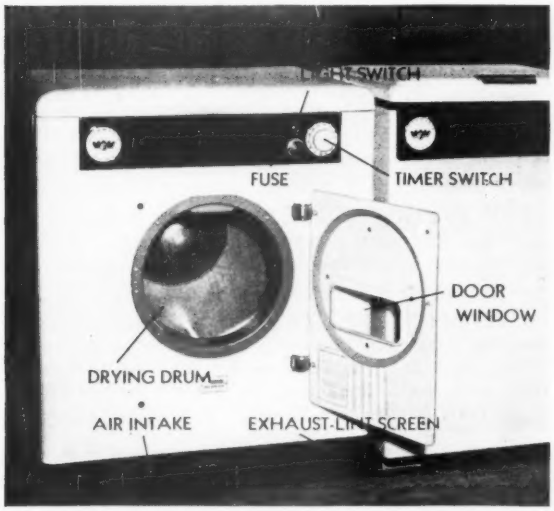
Keep it clean the same way you clean your enameled refrigerator. After each use of the dryer, clean lint catcher and air intake with long-handled brush. No oiling is necessary. Note dryer designs below.

You can have a gas dryer . . .

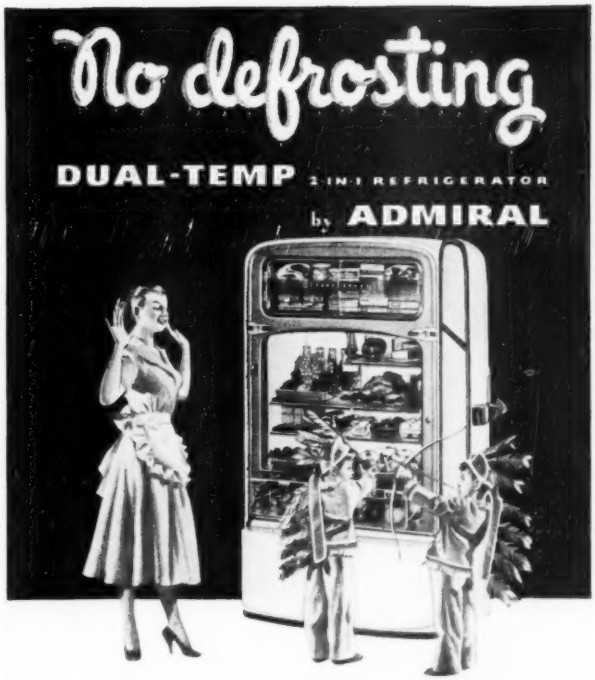


Gas dryer is heated by a flame; electricity's required for revolving drum, for light behind door window, and for fan. Timer switch lets you set dryer for any desired drying time. Simple lines are attractive

. . . or an electric dryer



Electric dryer requires 220 to 240 volts, three wires, for heat, drum rotation, fan, and light. Clean-cut design is laundry-room asset



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AMERICA'S MOST WANTED REFRIGERATOR! . . . because only DUAL-TEMP offers all these time-saving, food-saving features. Built-in HOME FREEZER *really* quick-freezes at 15° below zero. Stores up to 70 lbs. of frozen food safely for months. Huge, MOIST COLD COMPARTMENT never requires defrosting! Keeps food fresh and moist without covering dishes. STERILAMP kills germs, helps preserve food longer. See DUAL-TEMP at your Admiral dealer today!

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Amazing new PEN-CHROME enables you to bring out the natural beauty of unfinished or resanded wood furniture, paneled walls, trim, and other woodwork. A choice of ten modern tints* controls color of wood—for better harmony with colors on painted walls and other decorations. Applies quickly and easily. Does not hide grain. Marproof, waterproof, economical. *Send coupon today*—brighten up your new or present home with PEN-CHROME!

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Rush free data on PEN-CHROME Blonde Wood Finishes.

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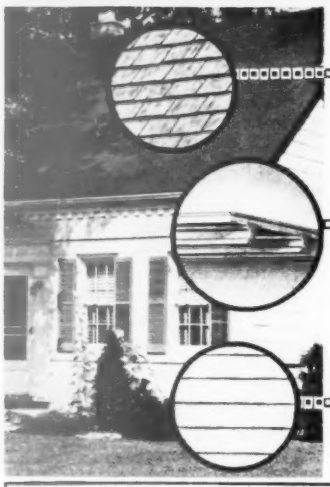
O'BRIEN PAINTS

A LIFETIME OF *Comfort* AND *Security* IN A CONCRETE HOME



WHY CONCRETE MEANS LIFETIME SATISFACTION

A FIRESAFE ROOF of cement asbestos shingles or concrete tile affords protection against sparks and flames, resists weathering of sun, rain and snow.

CONCRETE SUBFLOORS keep fire from spreading within the house. They're rigid and won't warp, creak, sag or vibrate. They're a perfect base for any floor covering—terrazzo, hardwood, rugs, linoleum, tile.

CONCRETE WALLS are durable and firesafe. They can be finished attractively in many ways—patterned masonry, textured portland cement stucco, white or colored portland cement paint.

HOME! What dreams that word conjures—what visions of a charming haven of comfort and security for loved ones!

These visions come true when you build your house with concrete, for concrete walls and subfloors and a firesafe roof bring you—

LIFETIME COMFORT in a house that's warm and dry in winter, cool and dry in summer because it is weathertight and easy to insulate effectively with a wide variety of materials.

LIFETIME SECURITY in a house that protects your loved ones and cherished possessions because concrete can't burn. Concrete also defies wind, weather, decay and vermin.

LIFETIME HOUSING ECONOMY in a house that is moderate in first cost, that lasts a lifetime, that costs little to maintain. That's ***low-annual-cost*** shelter. Yes, it costs less to live in a concrete house.

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You can build your concrete house in any architectural style, size or floor plan. Write today for free illustrated booklet, distributed only in the U. S. and Canada.

HOW TO GET A CONCRETE HOUSE
. . . *and what will it cost?*

Phone a local concrete masonry manufacturer for names of architects and builders experienced in concrete house construction. They know conditions in your community and can tell you about plans and costs.

Take any plans or sketches you have to an architect. Have him show you how your home—of any size, style or floor plan—can be economically built with concrete walls, subfloors and a firesafe roof.

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PORTLAND CEMENT ASSOCIATION

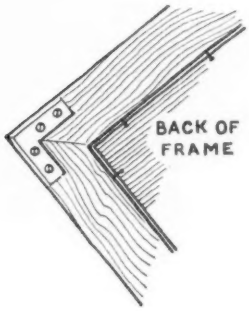
Dept. A 2-9, 33 W. Grand Ave., Chicago 10, Illinois

A national organization to improve and extend the uses of portland cement and concrete . . . through scientific research and engineering field work

"Anyone on your side of the family ever have triplets?"

How-to for the handy man

Continued from page 133



Repairing picture frames

You can easily and quickly repair old mirror and picture frames when they come apart at the corners.

Buy four identical L-shaped mending plates, or cut them from medium heavy tin. Then, with small screws, fasten one plate on each corner of the back of the frame.

Before fastening, drive the wood pieces together as tightly as possible. Be sure that your screws are short enough so they won't come through to mar the front side of the frame. *Herbert E. Fey, New Braunfels, Texas.*

Soldering copper

Copper, brass, and other copper-base alloys can be readily soldered either with an electric iron or a blowtorch. The capillary attraction of the melted solder causes it to flow into the joint spaces of nonferrous metals to form a rigid joint on cooling. Tests at the United States Bureau of Standards show that soft solder with tin-lead (50-50) and tin-antimony (95-5) alloys are satisfactory to use for such soldering purposes. *Copper and Brass Research Association, New York.*

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DEPT. B20 GRAND RAPIDS, MICH.

Recipes from Hawaii

Continued from page 94

or in a wooden bowl or a basket, and group small shells or dishes of sauce around it. You'll want a good catsup or chili sauce, a dish of soya sauce, perhaps some Chinese mustard, and a Sweet and Sour Sauce. To make **Chinese Mustard** just stir 6 tablespoons boiling water into 2 tablespoons dry mustard. Add ½ teaspoon salt and 2 teaspoons salad oil; if it's not yellow enough add some turmeric.

Fried rice is another dish that takes day-before preparation. In fact you have to use cold, cooked rice. It isn't Chinese Fried Rice if you don't. A pretty way to serve this is to drop bits of pimiento and green pepper in the bottom of a small custard cup or Chinese teacup, press in the hot rice and turn out on a dinner plate or serving platter.

Chinese Fried Rice

- ½ cup finely diced ham, cooked chicken or pork
- 2 tablespoons peanut or salad oil
- 1 3-ounce can broiled mushrooms, sliced
- 1½ tablespoons finely chopped green onion
- 1 quart cold, cooked rice
- 2 to 3 tablespoons soya sauce
- 1 well-beaten egg

Fry meat lightly in oil, add mushrooms, green onion, rice, and soya sauce. Continue to cook over low heat 10 minutes. Add egg. Cook 5 minutes, stirring frequently. If darker color is wanted, add more soya sauce. Serves 6 to 8.

Sweet and Sour Sauce

- 1 cup sugar
- ½ cup distilled vinegar
- ½ cup water
- 1 tablespoon chopped green pepper
- 1 tablespoon chopped pimiento
- ½ teaspoon salt
- 1 teaspoon paprika
- 2 teaspoons cornstarch
- 1 tablespoon cold water

Combine sugar, vinegar, ½ cup water, green pepper, pimiento, salt, and paprika. Boil 5 minutes. Blend cornstarch and water; add to syrup and cook until thickened. Cool and strain. Just before serving add a few bits of bright pimiento and a little finely chopped parsley for color.

[*Turn to next page*

"Well, you wanted a house near transportation—"

Housewives everywhere use these marvelous refrigerator bags to preserve foods—keep them fresh, crisp—to seal in flavor, prevent spread of odors. You'll find they quickly pay for themselves in food you don't throw away. **Genuine, original** Handi-Bags are bigger, made of heavier, more perfectly-sealed polyethylene plastic than other bags you might buy, and they come equipped with good metal closing clips. **Accept no substitutes.** Here's what you receive for $1.00—(notice the large sizes):

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1—8½"x15" bag for cheese, fish
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Genuine Handi-Bags are generally sold by women raising money for highly deserving clubs and church organizations . . . **they are not sold in stores.** It will pay you to buy a set the next time a friend solicits you. If no club or group near you sells Genuine Handi-Bags use the convenient coupon below.

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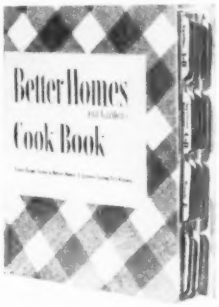


Get your copy today, only $2.75 (Canada $3) at leading book and department stores—or order from 6202 Meredith Building, Des Moines 3, Iowa.

"We felt the need for quick energy"

Recipes from Hawaii

Continued from preceding page

No Hawaiian party is complete without a punch. The punch should have zip, good flavor, but not be too sweet. Here's a recipe guaranteed to quench thirst without slowing down anyone's capacity for good food. Fresh berries or sliced fruits can be added last, or small gardenias floated on top.

Trader Vic's Puka Punch
(pronounced pooka)

2 cups orange juice	2 cups grenadine
2 cups lemon juice	10 cups chilled ginger ale

Mix fruit juices and grenadine and pour over a block of ice to chill. Just before serving add ginger ale and fresh berries or sliced fruit in season.

Pineapple on Ice

For an easy Hawaiian appetizer or dessert—fill a bowl with crushed ice to hold cubes of pineapple. Stick pineapple on gay cocktail picks for easy handling. See photograph, page 62.

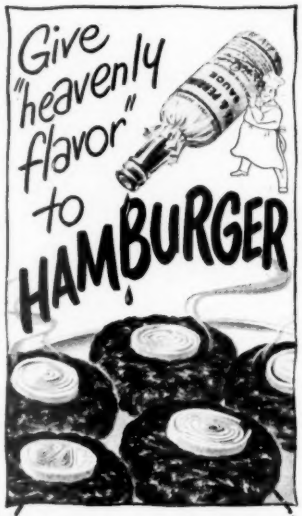
For more ideas on tropical parties, read *Trader Vic's Book of Food and Drink.*

Aside from chow mein in its many forms, Chicken Almond is perhaps the most popular of all Oriental dishes.

Chicken Almond

2 cups finely sliced raw breast of chicken	1 cup sliced water chestnuts
4 tablespoons peanut or salad oil	½ cup blanched almonds
2 cups diced bamboo shoots (¼-inch squares)	2 tablespoons soya sauce
2 cups diced celery	Salt to taste
1 cup diced bok choy (Chinese chard)	2 teaspoons Chinese flavoring powder
	3 cups chicken stock
	4 tablespoons cornstarch
	½ cup cold water

Fry the chicken in the oil in a preheated, heavy, large pan; add rest of ingredients and mix thoroughly. Cover and steam 5 minutes, then remove lid and thicken mixture with the cornstarch blended with cold water, stirring constantly. Serve immediately, garnished with extra almonds. *Note:* High heat and quick stirring are essential. The secret is to avoid overcooking.



Mince a little onion into ground beef. Pan-broil. Then—to make it fare for *epicures*—add a dash of Lea & Perrins Sauce! Here's hamburger that's *zestier*—more *delicious* than you've ever tasted! You'll thank that tangy Lea & Perrins *flavor!*

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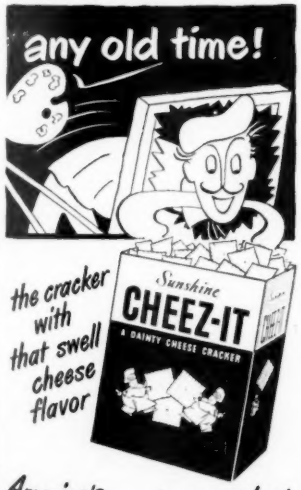

Green Beans With Soya Sauce

Green beans take on new and individual flavor when served with soya sauce and butter. Cook frozen, Frenched green beans according to the directions on the package and just before removing them from the heat toss lightly with butter and ¼ cup heated soya sauce. Let simmer and serve.

Pineapple Spareribs will make a big hit so better make plenty. You can precook the ribs the day before but the deep-fat frying and glazing should be done just before serving time.

Pineapple Spareribs

4 pounds spareribs (cut in 1½- to 2-inch pieces)
2 quarts water
½ cup vinegar

Heat water to boiling; add vinegar. Add ribs; cover until water begins to boil again; uncover; simmer 15 minutes. Drain. Cool. Mix the following paste in a large bowl, add ribs and rub around in sauce, so each is well coated.

Sauce

1 cup cornstarch
¼ cup dark molasses
¼ cup soya sauce

Fry ribs in deep hot fat (375°) until dark brown. Keep fat very hot while cooking ribs. Use large pan and fry only a few minutes. Set aside until ready to glaze with following syrup:

½ cup sugar
¾ cup vinegar
¾ cup water
¾ cup pineapple syrup
1½ green peppers, cut in 1-inch cubes
1 No. 2½ can sliced pineapple, cut in 1½-inch pieces

Combine ingredients in large pan and heat to boiling. Add meat to hot syrup, cover, and simmer 30 minutes, until meat is glazed and tender. Add green peppers and pineapple and serve.

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Civilization

An aviator whose engine failed in the Arctic was fortunate enough to land without injury near an Eskimo village.

There he purchased a sledge and dog team and hired a guide to show him the way back to his base.

Wishing to look like a real sourdough, the aviator, remembering the movies he had seen, shouted loudly to the dogs, "Mush, mush, mush!"

The dogs didn't move.

Turning to the guide, the aviator said: "You guide feller, why husky no move when me say 'um 'Mush'?"

"My dear fellow," retorted the guide, "we Eskimos love our dogs and share our favorite hot cereal with them at breakfast. If you expect to interest them, you'll have to say 'hot Grape-Nuts Wheat-Meal!' "

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SO SMOOTH!

Indoor travel

Try it for trying days

By Dorothy Dill Mason

I ALWAYS used to dread the coming of bad weather that confined the children to the house.

Then one morning I brought out an armful of old magazines, several pairs of scissors, and an inexpensive scrapbook.

"Why don't you go on a trip?" I asked my two disconsolate offspring.

"In this awful weather?" my daughter exclaimed.

"Weather doesn't bother a make-believe trip!" I said. And then I explained how they could "travel" via magazine pictures and keep a scrapbook of their adventures.

They started out with a new car. Gary took his time leafing through the magazines, gazing raptly at one shiny new dream after another. He finally settled on a luxurious station wagon, cut it out, and pasted it on the front page of the scrapbook.

Judy found an advertisement for camping equipment for the next page.

They couldn't resist a circus picture. "While we are driving through the country, we stop to see this circus in a small town."

AFTER the circus, they stopped at a restaurant and ate an excellent picture of strawberry shortcake (out of season). Brother got so interested in nourishment that he filled several pages with luscious apple pie, chili and tamales, and steaming baked ham.

Sister found a hotel just as it began to get dark. Its lobby was impressive.

A picture of a streamlined luxury train intrigued them, so they stored their car at a local garage (picture of the garage), and went on with their travels by rail. The deserts of Arizona unfolded before them, and that night they had an excellent view of the Grand Canyon from their window. As they studied this picture, they wanted more information. I got out our encyclopedia and read them the material on the Grand Canyon.

BEFORE we knew it, the dreary day was over. That night as they told their father about their trip, no onlooker could have guessed that it hadn't been real.

The next time the weather pinned them down, out came the magazines and scrapbook, and their "travels" continued.

More and more the encyclopedia has come into use as they journey through new cities, find places of scenic and historic interest.

"Chicago?" I heard my son say to an awed playmate one day. "We went through a big meat-packing plant there yesterday."

And the next time they "traveled," the playmate went along.

A Better Homes & Gardens child care and training feature

DRINK

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APRICOT NECTAR BLANC MANGE

3 tablespoons corn starch
3 tablespoons sugar
¼ teaspoon salt
½ teaspoon lemon juice
½ cup milk
1⅔ cups apricot nectar
1 egg, beaten
2 drops almond extract

Combine sugar, corn starch, salt, milk, lemon juice. Slowly add apricot nectar. Heat to boiling over direct heat and then boil gently for 1 minute, stirring constantly. Slowly add this apricot sauce to beaten egg; mix well. Return to heat, continue cooking 1 minute. Fill sherbets or dessert dishes and cool, covered. Serve with chocolate sauce if desired. Makes 2 cups or 6 servings.

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Dept. 112B Topeka, Kansas

"She's at the difficult age—one minute she's composing sonnets and the next she's out playing second base."

Cherry desserts

Continued from page 90

tossing with fork until mixture holds together. Roll ⅛ inch thick. Fit into 8-inch piepan. Crimp edge. Roll remaining dough ⅛ inch thick and cut into ½-inch strips for lattice top.

Ham Logs With Cherry Sauce

1 pound ground smoked ham
½ pound ground pork
1½ cups soft, fine bread crumbs
1 well-beaten egg
½ teaspoon dry mustard
¼ cup brown sugar
1 teaspoon prepared mustard

Combine ham, pork, bread crumbs, egg, and mustard; mix well. Shape in logs and place on shallow pan. Combine brown sugar and mustard. Spread over top of logs. Bake in moderate oven (350°) 45 minutes. Serve with hot **Cherry Sauce:** Combine 2 tablespoons cornstarch and ½ cup sugar; add 1 No. 2 can (2½ cups) red sour cherries. Cook over low heat until thick and clear, stirring constantly.

Maraschino Cherry Cake

2¼ cups sifted cake flour
3 teaspoons baking powder
½ teaspoon salt
1⅓ cups sugar
½ cup shortening
¼ cup maraschino cherry juice (from 5-ounce bottle)
16 maraschino cherries (cut in eighths)
½ cup milk
4 unbeaten egg whites (½ to ⅔ cup)
½ cup chopped California walnuts

Sift together flour, baking powder, salt, and sugar. Add shortening, cherry juice, cherries, and milk. Beat vigorously 2 minutes. Add egg whites. Beat 2 minutes. Fold in nuts. Pour into 2 round waxed-paper-lined 8-inch layer-cake pans. Bake in moderate oven (350°) 30 to 35 minutes. Frost with Fluffy Frosting; decorate with maraschino cherry halves.

Fluffy Frosting

1 cup sugar
¼ teaspoon cream of tartar
⅛ teaspoon salt
1 tablespoon light corn syrup
⅓ cup water
1 egg white
¼ teaspoon vanilla extract

Bring sugar, cream of tartar, salt, corn syrup, and water to boiling; cook until sugar dissolves.

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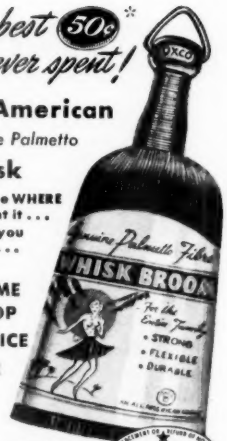

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Add to unbeaten egg white, beating constantly with rotary or electric beater until frosting is of spreading consistency. Add vanilla.

Cherry-Side-Up Cake

$\frac{2}{3}$ cup sugar	1 teaspoon grated orange peel
$2\frac{1}{2}$ tablespoons cornstarch	$1\frac{3}{4}$ cups enriched flour
1 No. 2 can ($2\frac{1}{2}$ cups) red cherries, drained	$\frac{1}{2}$ teaspoon salt
$\frac{1}{3}$ cup shortening	2 teaspoons baking powder
$\frac{1}{2}$ cup sugar	$\frac{1}{4}$ teaspoon soda
1 egg	$\frac{1}{2}$ cup orange juice
$\frac{1}{2}$ cup all-bran	$\frac{1}{4}$ cup milk

Mix sugar and cornstarch; add cherry juice; cook till clear. Add cherries; pour into greased 8-inch pan. Cream shortening and sugar; add egg; beat. Add bran and orange peel. Alternately add sifted dry ingredients and liquids. Pour into pan. Bake in moderate oven (375°) 40 minutes.

Cherry Hats

$2\frac{1}{2}$ cups enriched flour	$\frac{3}{4}$ cup shortening
1 teaspoon salt	5 to 6 tablespoons cold water

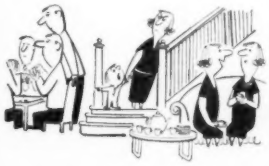
Sift together flour and salt; cut in shortening until mixture is size of small peas. Slowly add water, mixing and pressing ingredients together until dough just holds together. Roll on lightly floured surface. Cut in circles for hats. (See "How to make cherry hats," page 90.) Makes 8 hats. Fill tart shells with **Cherry Filling:** Combine 1 cup sugar, 6 tablespoons enriched flour, $\frac{1}{4}$ teaspoon salt, and 1 cup cherry juice. Cook until smooth and thick, stirring constantly. Add 2 No. 2 cans red sour cherries, drained. Remove from heat; add $\frac{1}{4}$ cup butter or fortified margarine. Cool. Pour into cooled, baked tart shells. Makes 8 tarts.

Mount Vernon Jelly Roll

4 egg yolks	$\frac{1}{2}$ cup sugar
$\frac{1}{4}$ cup sugar	$\frac{3}{4}$ cup cake flour
$\frac{1}{2}$ teaspoon vanilla	$\frac{1}{4}$ teaspoon salt
4 egg whites	1 teaspoon baking powder

Beat egg yolks until thick and lemon-colored; gradually beat in $\frac{1}{4}$ cup sugar and vanilla. Beat egg whites until almost stiff; gradually add remaining $\frac{1}{2}$ cup sugar and beat until very stiff. Fold yolks into whites, then add sifted dry ingredients, folding in carefully. Bake in waxed-paper-lined $10\frac{1}{2}$- by 15-inch jelly-roll pan in moderate oven (375°) 12 minutes. Loosen sides and turn out onto towel sprinkled with confectioners' sugar. Remove waxed paper. Trim crusts. Roll quickly with fresh sheet waxed paper on inside of roll. Wrap in sugared towel; cool. Unroll, remove paper; spread with cherry jelly. Roll again—decorate with maraschino cherries.

BETTER HOMES & GARDENS



"Uncle Max! I didn't kiss Uncle Max!"

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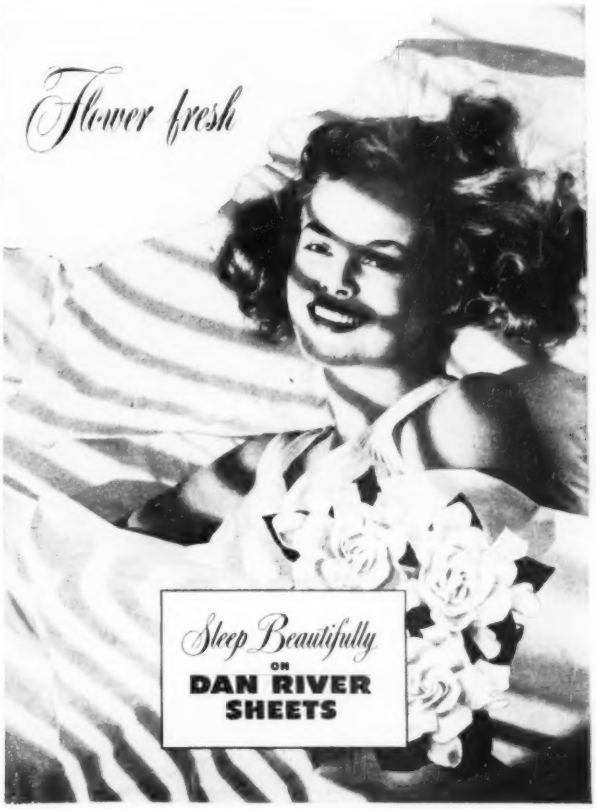

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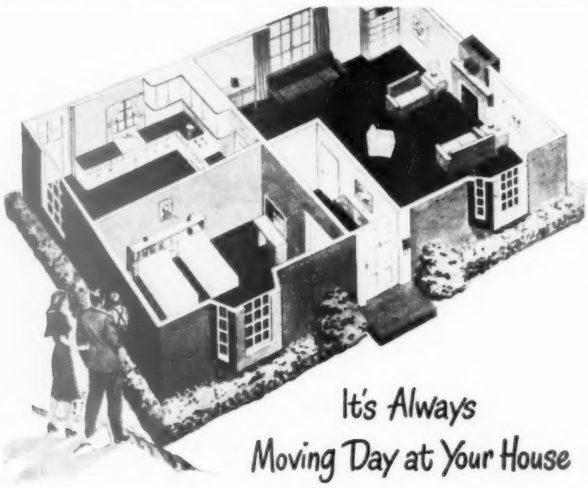

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TRADE YALE MARK

YALE HARDWARE—SIGN OF A WELL-BUILT HOUSE

We chose a farmhouse

replaced the three rooms on the first floor. And the big room was then designed into *areas*.

The indoor-outdoor feeling is enhanced by a glass door leading to a porch overlooking lawn and creek, which is dammed to form a wading pool for the children. The porch follows two sides of the house and is partly roofed to provide shade in summer and a sun trap in winter. The expanses of window eliminate any cramped feeling, but we can have coziness as soon as we pull the draperies.

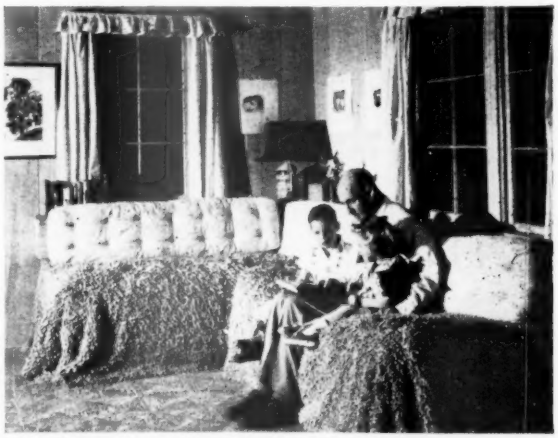
AFTER analyzing our living habits we decided that a bedroom was a luxury for sleeping and dressing only. The function of sleeping combines with that of lounging, and the function of a dressing room combines with that of a bathroom. So we made twin beds into lounges in the living area, using linen compartments as back rests. The upstairs provides sleeping space and closets for three children and guests.

A lean-to that we added at the rear for the bathroom is large enough to serve as a dressing area for our family of five. All walls were adapted to storage, with a large double closet for our clothes, and three low cupboards for the children, the top of which forms a fine surface for folding laundry and changing the baby.

IT SEEMED logical to combine laundry with dressing also, especially with three small children, so our washer is in the 9x14 bathroom. Here we can undress, put our soiled clothes in the washer, bathe, and dress without leaving the room. An outside door from the bathroom opens directly into the laundry yard.

The kitchen is concealed from the living area by a projecting partition which forms an L-shaped work area. Here also is a nook that will seat five for breakfast and lunches. More formal meals take place in the dining area of the main room, offset far enough so diners don't have to look into the kitchen.

Play areas are in the loft upstairs, where the lower part of the walls is gray blackboard paint, and in the dining area where carpeting was omitted for freedom of movement. Play also is encouraged at the nook table



Sleeping and lounging take place in one corner. Back rests under the windows double as linen storage compartments and bookshelves. Windows are large barn sash; most are fixed, but some tilt out for ventilation

Begins on page 46

where I can supervise painting, drawing, clay modeling, and pasting, and where children can supervise cooking without being underfoot.

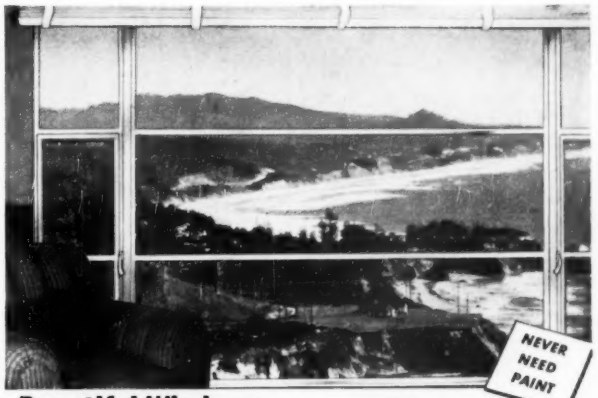
Utility storage is provided by a large closet off the kitchen under the stairs. The old barn serves as garage, play shed, and workshop. The pump house holds garden tools and canned goods.

SOMEDAY we hope to go ahead with our original plans to build a fine house where our present home now stands. But if economic conditions keep us in our small home indefinitely, the upstairs will become a study and hobby center for the children, with beds turning into couches.

There are times when I feel I would never like to move to a brand-new house and leave our old intimacy behind. Small children deserve to feel they are a vital part of the family, and in our arrangement we are closely knit. Still we respect one another's interests. There are floor spaces for romping, and the children take pride in the neatness of our all-purpose room. They pigeonhole their toys and clothes routinely when dinner and bedtime approach. We parents can dine alone, yet still keep an eye on the young, so we feel no lack of privacy. And there is one great advantage in our open plan: we have a house that can adapt itself to the demands of our growing children.

Bath-dressing room has full-length closet for our clothes, low cabinets below counter for children's clothes. Copper-colored cabinets above counter are for bathroom supplies and linens. Rest of room is white

Play area centers around dining table. Shelves in table base are for toys. Table top is removable—finished on the dining side with varnish, left plain on the underside for drawing, painting, pasting, and cutting



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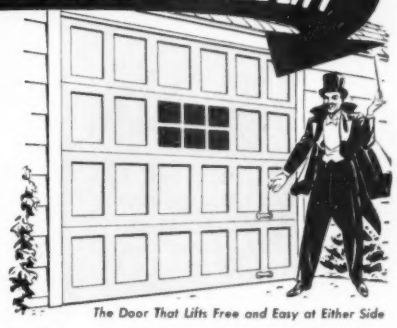

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We chose a barn

Begins on page 48

tried to keep it as much like a barn as possible—even to the red paint.

The original sliding barn door now is between the living room and the dining room. The drop-down serving bar between the dining room and kitchen is the panel through which feed was dropped to the horses. The floors are the original wide, two-inch-thick boards over which the carriages rolled.

WE BUILT an eight-foot fieldstone fireplace along the north wall of the living room; its mantel was cut from one of the main cypress beams. With the exception of the kitchen, the entire downstairs is finished in knotty pine.

We did all the interior decorating ourselves. It seemed like an endless, paint-spattered job, but we're proud of the results. Wallpapering and floor-sanding can be a pleasure when only a small dent is made in your pocketbook. We did the landscaping in our spare moments.

Our job is not finished—not by a long shot: We've a million ideas and extension plans. But we've achieved our primary purpose—a home for ourselves and 3-year-old "Butch"—John III. And we kept the cost under $8,000.

It can be done!

Original barn's sliding door now serves between living room and dining room. John's hobby is woodworking, and it paid off in the bookshelves (right) and corner cupboard (through the door) which he cut on his jigsaw

Low ceilings and stained knotty-pine walls lend a cozy atmosphere to the dining room. The original wide, two-inch-thick boards were left untouched as finished flooring. We painted old furniture bright yellow

More on next page

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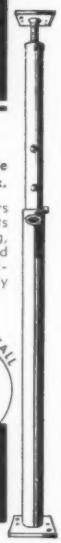

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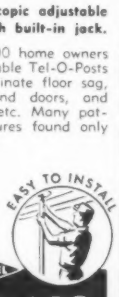

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RICHARD S. OTTO, Dept. BH, Sant Luis Obispo, California

Here's the loft from which we pitched hay to start remodeling. Slope of roof allows sliding-door closets along entire width of bedrooms—a homeowner's dream! We did the wallpapering and decoration ourselves

Sloping roof of the hayloft again came in handy in the bathroom, where it left room for a storage cabinet under the eaves. Like most of the downstairs rooms, the bath is paneled in knotty pine

Here's an idea!

Photograph: Gimbels

Map-lined study

MAKE a small study seem larger by papering a wall or two with maps. You can broaden the room's horizons to the far corners of the world. Leave other walls plain to focus attention on the maps. You might also try this in the room of an adventure-minded young man.

FEBRUARY GARDEN GUIDE

In all sections:

- Test germination of seeds left from last year.
- Guy crooked evergreens.
- Install needed draintile.
- Plan your vegetable garden.
- Remove tree limbs that are obstructing window views.
- Force cut branches of flowering shrubs into bloom indoors.
- Repot root-bound house plants.

SOUTH

Feed roses heavily—at least 5 pounds of plant food for each 100 square feet of bed. Dust or spray roses at the first sign of new growth.

Plant shrubs, roses, and other nursery stock without delay; the planting season for them closes soon.

Feed trees and shrubs which are already established. The plug method is best for large shrubs and trees, broadcast and soaking for smaller shrubs.

Feed your lawn heavily—100 pounds pulverized sheep manure or 50 pounds complete plant food for each 1,000 square feet. Plant bluegrass and lawn-grass mixtures in the Middle and Upper South as weather and soil conditions permit; sow Bermuda grass only in southern Florida.

Plant annuals: tender ones in middle and southern Florida, half-hardy annuals along the Gulf and Atlantic coasts as far north as Charleston, hardy annuals in the Middle and Upper South.

—*W. Elbridge Freeborn*

TEXAS-SOUTHWEST

Spray fruit trees before buds start growing. Spray tulips for aphids as soon as they are well up.

Remove old canes and deadwood from berry bushes.

Divide Shasta daisies, daylilies, and perennial phlox if weather permits. Divide heleniums and salvias a little later, in late February or early March.

Feed crape myrtle heavily for abundant summer bloom.

Sow poppies, clarkia, snapdragon, and larkspur if you haven't already done so, but don't expect them to bloom quite as soon or as vigorously as those planted last fall or even last month. Plant nasturtium seed, remembering that they prefer a soil that isn't very rich.

Water the lawn and flower beds if weather has been dry. And while the hose is out, soak down the compost heap to speed its decomposition.

—*Marian Price Scruggs*

CENTRAL-EAST

Apply dormant spray to shrubs and trees during the later part of the month on clear days when the temperature is above 40 degrees; a freeze before the spray is dry may damage plants. Cover plants with a fine mist; don't drench them.

Apply 2,4-D weed killer if there is a pleasant spell in the winter weather. Treat lawns heavily infested with crabgrass with arsenate of lead, 10 pounds per 1,000 square feet. Fertilize lawn and sow grass seed on days when there is no snow and the grass is dry.

Start pruning now. Take grapes first because they may bleed if pruned later in the spring. Prune hardiest plants now, the tender ones later.

Move large trees too difficult to handle in the fall. After moving large evergreens, trim at once to reduce evaporation and build a windbreak if new location is windy.

Plant sweetpeas as soon as you can get on the ground. Snapdragons, petunias, larkspur, and other slow-growing annuals should be started indoors.

—*Harvey Bicknell*

PACIFIC NORTHWEST

Set out new shrubs, trees, and roses whenever the ground is free of frost and dry enough to be worked. Finish pruning fruit trees and then spray with dormant spray if you haven't already done so this winter.

Transplant rooted cuttings of Japanese anemone and phlox when the first leaf appears; put each plant in a 3-inch pot and place in coldframe. Also repot house plants such as sansevieria and aspidistra, using a heavy soil to which a little sand and bonemeal has been added.

Prepare plots for vegetable gardens by deep digging and plant food and compost. Sow dwarf peas, carrots, and onion sets in areas near the ocean if weather permits.

Repot fuchsias which flowered last year, cutting back the branches about one-third to stimulate branching and blooming.

—*Ada V. Turner*

CALIFORNIA

Start tuberous begonias by placing bulbs on a layer of moss to sprout. Then plant in a roomy pot with soil at least half leafmold. Other bulbs to plant are zephranthes, tigridias, ranunculus, montbretias, anemones, and black callas.

Reseed bad spots on lawns, feed with high-test plant food, and spray with 2,4-D to kill weeds.

Plant vegetables like beets, carrots, peas, radishes, and lettuce, but wait until later for warm-weather vegetables like tomatoes, melons, and beans which want warm soil.

Plant shrubs and roses; delay means less vitality.

—*Alfred C. Hottes*

VIGORO—complete, balanced plant food supplies all the essential plant nutrients grass must get from the soil for best growth and development.

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New beauty for your yard

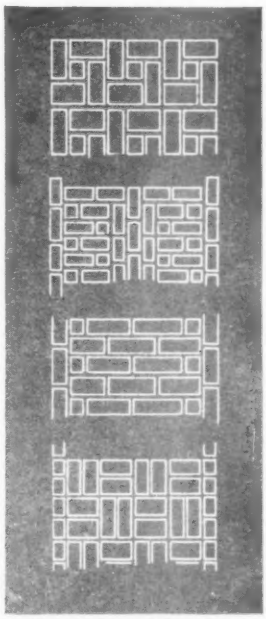
By Clifford Rhodes

YOU don't need special equipment or skill to build yourself a good garden path. Attention to these simple know-hows will make you a successful path maker. But first, ask these questions:

1. Will the path be used all year and in all kinds of weather?
2. How much daily traffic will it have to carry?

Heavy, all-weather traffic on a path rules out grass, tanbark, pine needles, cinders, and gravel, also unmortared brick or stone for areas where snow can be expected. Blacktop, concrete, and mortared bricks and stones are better in cold climates.

If your path is merely part of your garden design, or is likely to be used only in the garden months, a choice from the first list usually will prove best. These materials blend into a garden setting best, both in color and texture.



Easy-to-lay brick patterns

Pointers for path makers

1. Level the ground and thoroughly wet down all filled places so they won't settle later. Tamp the entire area. You can make a tamper by spiking a 6x6 piece of planking on the end of a 2x4 cut to convenient working height for you.

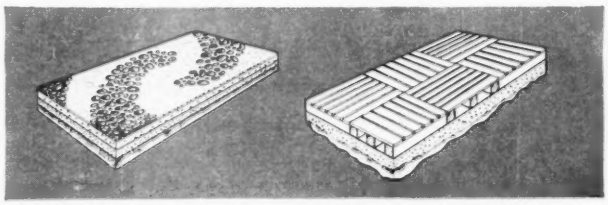
2. If drainage is poor in your soil, excavate enough to permit adding a 4-inch layer of cinders or gravel and tamp well.

3. Use boards, held in place by stakes, as guidelines to help keep the edges of your path straight and the surface level.

4. Make your main paths 4 or 5 feet wide, others 2 to 3 feet. These are the minimum widths; allow more if your garden is big.

5. Never locate a path close to a large planting likely to crowd out onto it.

6. Use only sand bricks, not wire-cut bricks or others made for fireplaces or house walls. Stones must be weathered, not freshly cut, or they're likely to scale off when exposed to freezing winter weather.



Swirls of many kinds are within the skill of the amateur path man. Push the colored pebbles into the concrete after it has started to set. To play safe, practice your swirl making on a small area before you tackle a wider path

Wooden strips, soaked overnight in a wood preservative solution, can be nailed together in patterns, as shown, then laid directly on the sand. You get at less cost a garden flooring as serviceable as one of brick or stone

Photograph: Tatch

Unmortared bricks are the gardener's favorite paving. They are easy to lay in a variety of patterns. You simply lay the bricks directly on a bed of firmed sand, as above, then brush sand into joints. If weeds should start later in the unmortared joints, you can easily spray them away with a strong solution of 2,4-D

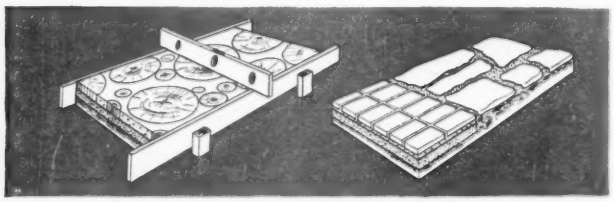
For your scrapbook

Home-mix mortar: Thoroughly mix a sack of cement with a sack of lime. Add water to make a soup thinness, then mix in 5 sacks of clean sand and more water as needed. Wet the bricks with water before you butter them with the mortar.

To clean old bricks: Old mortar can be removed by scrubbing the bricks with muriatic acid solution. Dilute a pint of acid (from your drugstore) with a gallon of water. Always add the acid *to* the water, never the reverse. Apply with a fiber brush, and use only glass or crockery containers. Wear rubber gloves.

Home-mix concrete: Spread one sack of cement over 2¼ sacks of coarse sand (sold as concrete mix) and mix well. Mix in 3 sacks of pebbles, then add 5½ gallons of water to the center of the pile. Plan to lay all of the concrete you've mixed within the next 30 minutes.

Water-mix blacktop: Order emulsified asphalt. You apply this liquid through a sprinkling can to sand spread 4 inches deep in excavation for your future blacktop path. Apply enough to wet half the sand, then mix thoroughly with a rake until all the sand is evenly coated. Add more asphalt, if needed. Dilute asphalt a little with water if the weather is cold enough to make it gummy.



Trick in laying redwood circles is to check constantly to see that surface of each is kept level. Try to have each circle touch at least one other to prevent shifting. Keep all wheeled traffic off your new path for several months. With bricks, choose patterns that use only whole bricks until you feel you are in the professional bricklaying class. Wear a pair of stout gloves.

More photographs, next page

Armstrong originated

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Healy

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McFarland

Mortared bricks or stones make a durable, all-weather path and supply pleasant color and pattern. Boards along sides here keep the plants confined and allow use of a path narrower than is usually recommended for your main entrance

Rough-edged field stones fill a need for some pattern in this informal hillside garden. No through traffic is expected, and you can put up a "Keep Off" sign for spring days when your soil is still too squishy to keep the stones wobble-free

your yard

Begins on page 200

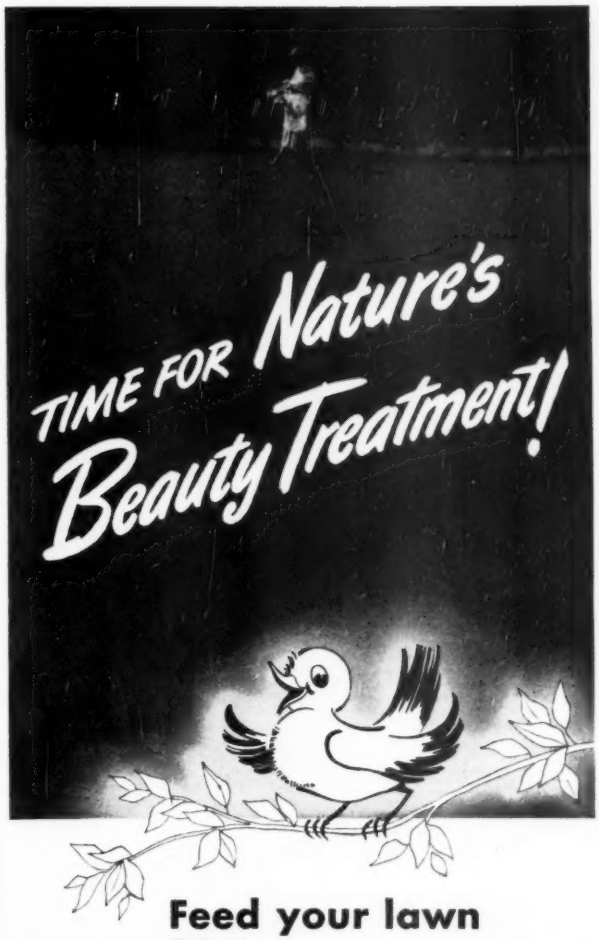
Tatch

Redwood circles (above), redcedar slabs, or thick slices from old utility poles can be laid directly on tamped sand. They last for years without special treatment. You can vary the sizes for interest, as shown here. The natural dulled color of redwood blends well with grass-green or, as above, with gray gravel

Healy

Open pattern of the brickwork adds design to this garden. You can use this path where drainage is good, traffic light. Open patterns are only for level paths. The open places are too ready to catch a high heel that slips on a slope

More photographs on next page



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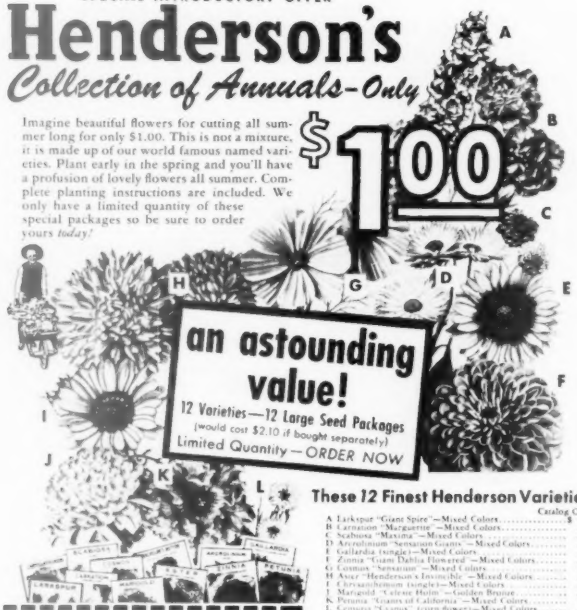

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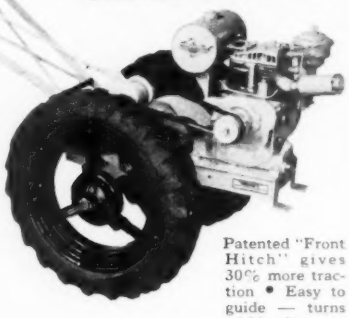

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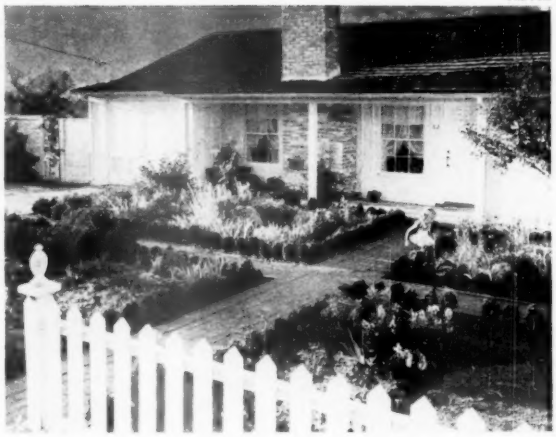
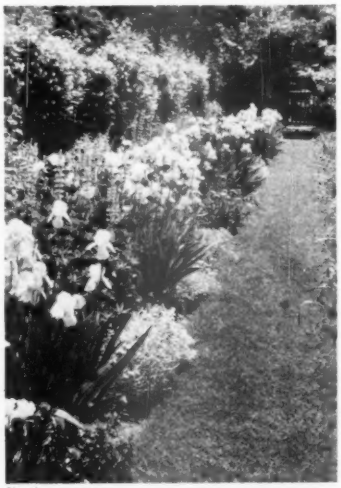
New beauty for

Phil Fein



These brick walks were built for service and pattern in a front-yard garden. Outer course of bricks was mortared, centers laid dry. Allow about 4½ bricks for each square foot of path when bricks are laid flat, or 6 bricks if laid on edge



Church

Grass always looks cool and an ideal companion for garden flowers. For an informal garden you can dispense with sharply cut edges for your grass path. Instead, as at left, your flowers can spill over onto it just enough to soften the line. Mowing will require more work, but you'll be saved the trouble of keeping the edging razor-sharp

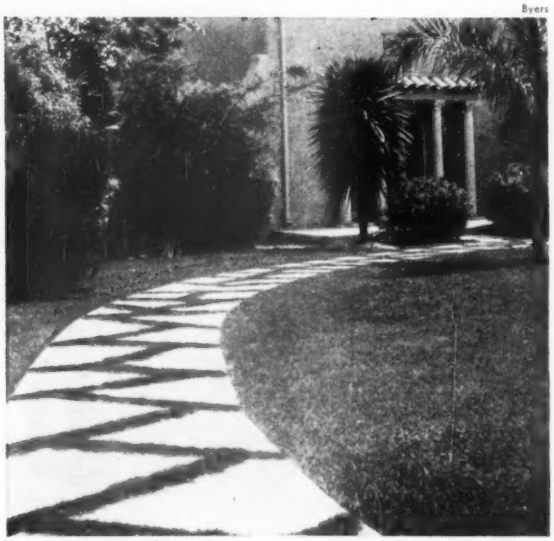
McFarland

Steppingstones provide dry footing at low cost and without forcing their presence upon you as you look at the garden. But they are not for paths likely to feel many feet. Stones should be at least 12 inches across and set so their centers are about 22 inches apart for an easy and casual stride

your yard

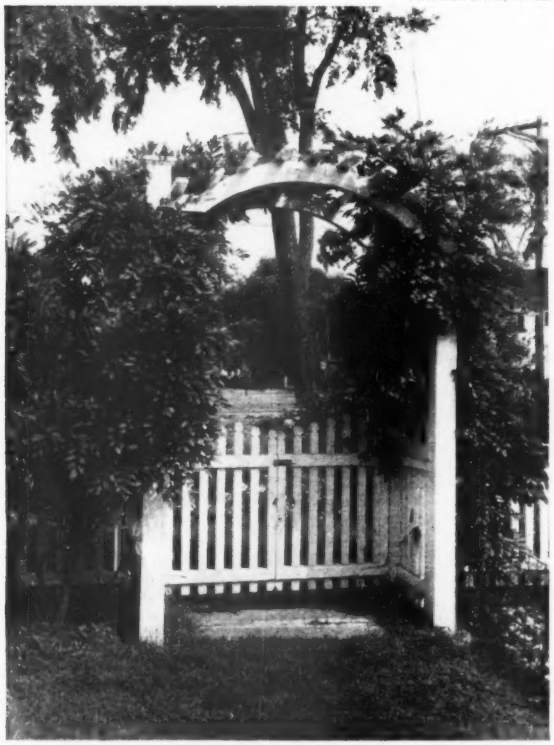
Continued from page 203

Byers



Random paving of stone or concrete will resist heavy daily traffic. As in all good pavings, stone and grass are at the same height for ease of mowing. You get level, non-tipping concrete stones, as above, by pouring the concrete directly into holes of appropriate shape hollowed out of the sod. Use the rough edge of a broken brick to finish the concrete in an interesting texture

Providence Sunday Journal



The scuffed look where gate openers pause disappears when you set a stone or two there. Similarly, you can use a couple of steppingstones at the end of your brick or stone path when you make the transition to lawn or a grass path

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Diary of a

Plain dirt gardener

Maggie and I went to the roadside-beautification-school dinner. Speaker of the evening was Maggie's brother Bob

By Harry R. O'Brien

Feb. 1 Ground covered with snow. Thermometer hunting for the zero mark. Birds eating their heads off at my high-priced feed.

Stack of seed and nursery catalogs already on hand. First packets of ordered seeds already arrived.

I'm happy. Stack of seed and nursery catalogs already on hand and first packets of ordered seeds have arrived

As I lay in my trundle bed this late Sunday a.m., I heard the cardinals beginning to rehearse for spring. They are later than usual at it and haven't as yet found out how to hit the high whistle notes.

Garden plans for this year are beginning to shape up. Maggie has announced that she wants to fill our zero box in the basement with frozen vegetables for next winter, on top of having plenty to eat as we go along. And, of course, make up a new supply of her famed tomato juice.

We need to set out a new strawberry bed when spring comes. This year I want to plant some Temple and Sparkle, the two new varieties resistant to red stele disease. We have a good planting of asparagus and rhubarb on the other side of the bushes. Maggie puts all three of these in the freezer.

I've been thinking in terms, too, of flowers, some of the new annuals, some more perennials, and a few more roses to fill up holes that I know blamed well I'll have in the beds come spring. Also I hope to do more with glads and dahlias this year. These have been neglected of late.

If you pick the All-America Selections of annuals and roses, the medal winners, and the highly rated ones of the plant society trials and judgings, you can't go wrong on new varieties of plants.

In case some of these newer things are still high priced, go back through the lists of standard varieties and pick out those which won honors in former years. These are still the best ones and usually down by now to a more nominal price. Just because a plant is new doesn't mean that it will add anything to your garden except social standing. The new variety should also be better in some way—and usually is.

Feb. 2 Once again, there is no argument about it. Old Man Groundhog saw plenty of shadow all day long. But, shucks—if he sees his shadow, we'll have only six more weeks of winter. If he doesn't, we still will have only a month and a half of same.

Feb. 9 For about 10 years now, at its March meeting, the Saginaw branch of the Women's Farm and Garden Association, has had a display of forced branches. Today I was a guest at their meeting and learned all about it. Early in the year members are handed a list of plant materials which can be forced. Arrangements are made to get twigs of apples, peaches, and other fruits from a nearby fruit grower. Directions for forcing are carried in the local newspapers.

Feb. 11 Tonight Maggie and I went downtown to a dinner of people attending the annual roadside-beautification school. The speaker was Maggie's brother Bob, general manager of the Chicago Regional Planning Association. He told how the region around Chicago has been planning for the future by zoning for various purposes, acquiring areas for recrea-

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tion, widening highways, and the like.

Feb. 13 Snow is melting. Tonight it poured down rain—just poured and poured. It was so foggy, coming back home toward dark, that I could hardly see, and I was actually afraid to make the left-hand turn across High Street, to get onto our side road. But in spite of its being Friday, the thirteenth, I made it.

Feb. 14 Outside it was warmer than it has been in weeks. That rain of last night, though, had turned to snow and ground was white this morning. But it went away rapidly during the day. Outdoors it was too mushy and slushy, but to keep busy, I did a bit of house cleaning.

Feb. 16 First day of spring. Snow all gone, except in hidden dark corners. Weather up to 50 and oh, so balmy. The cardinals are now whistling freely and cheerfully.

But ground wet and soggy. So nothing outside was done except

Wet and soggy so nothing was done outside except put on arctics and stomp around to renew the bird feed

put on arctics and stomp around to renew the bird feed. On a day like this I cut down on the amount of feed I put out. I want just enough for the good birdies without leaving a surplus through the day for the glutton sparrows to guzzle down.

Feb. 19 Business matters brought me to Chicago this morning. Hied over pronto to Vaughan's seed store to howdy with Milt Carleton, who's in charge of research for this firm.

To help me promote research in my own domain, Milt put a packet of the new pea, Bayou, in my brief case. This is the pea from down in Louisiana, generally introduced in 1948, I believe, that is a good grower in hot weather. I'll be delighted to try it out.

In the hotel lobby toward night, ran across some men I know. They were on their way to dine. They invited me to go along and then go to a meeting afterward of the largest garden club in the world—5,400 members. There were about 1,200 at the meeting tonight. This is the Hawthorne Garden Club, made up of employees of the Western Electric Company and their families.

I learned, as the program proceeded, that this club pools its orders for seeds and plants and has one member of a committee do the buying for each item. The order

[*Turn to next page*

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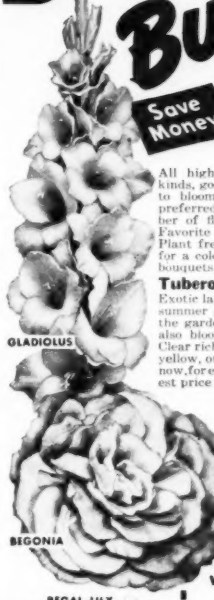

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All high quality, giant flowered kinds, good-size bulbs, guaranteed to bloom this summer. The size preferred by many for largest number of flower spikes at low cost. Favorite varieties, all colors mixed. Plant freely at this special price, for a colorful garden and glorious bouquets. **10 Bulbs 25c; 45 for $1.**

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Immense, fragrant, pure white blooms shaded lilac-pink on outside. Easy to grow, will live for years, blooming in July. 3 to 5 ft. tall. **3 Bulbs 25c; 12 for $1.**

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Superb as house plants; few grow so quickly. Bloom up to 4 months. Gorgeous big 3- to 4-in. flowers, finest mixed colors. Large bulbs, will last for years. **40c ea.; 3 for $1.**

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Strikingly veined and variegated, in glowing red, pink, green, white, mixed. Unique as house plants, fine in garden shade. Leaves stunning in bouquets. **3 Bulbs 25c; 12 for $1.**

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● ***Hardy even in Canada*** — Extremely vigorous. Live years longer than average type.
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Marvelous texture, form and fragrance

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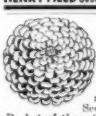
3 PKTS. ALL FOR A 3¢ STAMP!

MY 3 NEW SUPER GIANT **ZINNIAS**

These SUPER GIANT Zinnias are real beauties. BIG! And they grow anywhere—blooming all summer long. 3 packets: 1 yellow, 1 orange, 1 red. All for 3c stamp. Will also send along my new seed and nursery catalog, and FREE subscription to my magazine "SEED SENSE." Send stamp TODAY

HENRY FIELD Seed & Nursery Co., 410 Elm St., Shenandoah, Iowa

California Giant **ZINNIAS**



The World's Largest Flowered Rainbow Mixture of Zinnias. Blooms 6" across. To introduce our Superior Seeds and Plants, we will send you a Packet of these Gorgeous Zinnias and our New Catalog. Send 3¢ stamp for postage.

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Preferred by growers and home gardeners. Many other fine fruits.

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18 exciting new perennials—all guaranteed superior "Root-Strength" plants available only at Wayside.

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Esther Staley. Finest pink tinted lilac—decided improvement over rare, so-called pink "Lucie Baltet". Vigorous plants bear exquisite, moderately large, single blooms of La France pink.

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25 Certified Plants FOR ONLY **$1.00** POSTPAID

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How to Grow Better Flowers, Vegetables, House Plants, Fruits

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Blossom WHEN FED VIRDANS PLANT TONIC

A plant food we have thoroughly tested on our own plants in greenhouse where thousands of the wonderful Fade plants need for vigorous growth and a profusion of blossoms. Just add to the water you already use. Simple, easy to use. Write for free folder. Also ask about our guaranteed non-spoil Fade Plants. Get 6 for $1.00 postpaid. Good for all house plants. One package will last for months, using not scores of times the cost, but hundreds of weeks with no money back guarantee. Mississippi Rose. Write for our AFRICAN VIOLET—free on request.

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Burpee HYBRID CUCUMBER Seeds 10¢

Just a few plants supply more than a family can eat. Double to four times as much as other kinds! Disease-resistant, they bear where others fail.

Wonderful for slicing; crisp white flesh and small seed area, 8 in. and more long. Delicious! Special: **10 Seeds 10c; 120 for $1.** Send Dime or Dollar Today!

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BLUEBERRIES

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Diary of a plain dirt gardener

Continued from preceding page

for tomatoes for this spring amounts to 120,000 plants. The club has its own mimeographed magazine, filled with good information and news.

Feb. 22 Here's good news for a holiday. I spied little green tips along the edge of the new bulb bed made last fall in front of the shrubbery on the south side of the house. Those tips are crocuses coming up.

Good news! I spied the first little green tips of crocuses, coming up in the new bulb bed I made last fall

Feb. 23 To the monthly meeting of our local iris society tonight. Topic for discussion was an informal round table on flowers to go with iris in the garden to carry on bloom after iris is gone. Members had been asked to bring along some color slides of their favorite flowers.

For my bit, I showed a few slides of some of my newer daylilies. These flowers go mighty fine with iris anyhow, and a proper selection of later-blooming varieties will keep color coming on after iris time, clear up to fall.

Feb. 25 Downtown after work and met Maggie—on order—at the furniture store. She made a utility purchase, left an order for putting up new window shades all over our house, and tried to get me interested in a new rug for the dining room.

My eyes wandered from those rugs—and what did I see but some-

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Large 16-oz. can $1 Postpaid . . . Makes 100 gals.

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"Queen of the Market." Large Solid Fruit. Unexcelled for home, market or canning. Thick, solid flesh. Fine flavor. Almost seedless. Color, rich red. High in vitamins. Single plants often produce ½ bu. Enjoy this Everbearing Tomato from early summer until late fall. Write Today for **125 Seeds** of this **Giant Everbearing Tomato** and a copy of our **Big Illustrated New Seed and Nursery Catalog.** **FREE**

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Flowers THAT WILL BLOOM *Year after Year*

A glorious procession of color from spring until fall. These and a complete line of Fruit Plants, Shrubs, Roses, shown in Big, FREE Color Catalog. Write for yours today.

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STRAWBERRIES

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fully described with planting directions in our '49 Berry Book & Catalog (Nationwide Shipments). Write for FREE COPY NOW!

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FLOWERS IN THE SHADE
8 TUBEROUS BEGONIAS $1

Easily grown: Bloom all next summer. 8 colors, big double camellia-like flowers. Shipped early spring in time to start indoors. Plant out in May in rich shady soil.

SPECIAL—20 Bulbs $2.00
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100 seeds Super Fluffy Ruffles Petunia sent at once for all cash orders.

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100 FEET OF HEDGE for $1
AMOUR RIVER PRIVET

SATISFACTION GUARANTEED

Fast-growing . . . needs almost no attention. Fills well without gaps—the best background hedging plant you can buy. You get 50 plants (6" to 12"), all well rooted and ready for planting 2 feet apart. SEND NO MONEY—WE SHIP C.O.D. Just pay postman $1 plus postal charges!

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GIANT ZINNIAS

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Giant Zinnia seeds, easy to grow, give you 1,000 beautiful blooms in rich, brilliant colors. Continuous midsummer to frost. Long-lasting as cut flowers.

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A new illustrated **planting** and **Spray Guide** for Fruit, Vegetables, Shade and Ornamental Trees and Shrubbery. **Special Display Shade** and **Ornamental Trees. 76 Pages** with **prices** on good hardy growing **Stock** and **Seeds** written by a grower from lifetime experience. Write today for your free copy.

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Shirley, All Double, Mixed. Give richest display of color imaginable. Early flowering. Bushy plants grow about 28 in. high. Excellent cut flowers.
Packet..... 10¢

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DEPT. 16 MADISON 1, WIS.

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You'll help yourself to a better home by studying complete information in *Better Homes & Gardens* new book, *Home Building Ideas!* More than 200 idea-packed pages. Order from 5902 Meredith Building, Des Moines 3, Iowa. Price, $1.

UNUSUAL FLOWERS FROM FAR PLACES...

Our New Illustrated Catalog describes Three Thousand Rarer Flowers, with directions for growing. Ask for your copy.

REX. D. PEARCE, Dept. K, Moorestown, N. J.

thing I've been dreaming about for years. It was a little stand with a good sized drawer in the top and two shelves underneath. I bought it promptly.

Feb. 27 When I came home tonight, there was that little stand at the right side of my easy chair in the living room. Into the drawer Maggie had put my pipes, a tobacco pouch, some pencils, a supply of matches. On top was an ash tray. So my years of parking pipes and tobacco on the mantel are over.

Feb. 28 Carried out the ashes. Carried is the correct term, for it was too muddy to run a wheelbarrow about. These ashes went on a rose bed—where most of the ashes are going this winter.

News Notes: *Here are some new posies you'll find mighty nice.*

Among the new floribunda roses I like Golden Jubilee, an unusually hardy yellow; Lavender Pinocchio, whose pink, olive, and lavender are new colors in roses; Holiday, in two-toned orange-red and pink; and Alain, bright red-orange and created by the originator of the great rose Peace.

New gladioli to keep a watch for are Shirley Briggs, Allice Adams, and Easter Parade.

Man and Boy

No matter what the signs of
age,
By whatsoever means you
gauge,
A man, to woman's constant
joy,
Remains throughout his life a
boy.

However gray (or gone) the
hair,
However stout, the boy is
there,
And can be very clearly seen
Behind the silly grownup
screen.

By daily work and daily act
A man makes evident the fact
Of boyishness. A woman,
though,
Must never, never let him
know.

—*Richard Armour*

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Again...

America's Finest Nursery Catalog. OUR 80th ANNIVERSARY EDITION! Now being distributed. Ask for your copy FREE.

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Shade Trees • Ornamentals
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There are hundreds of attractive low priced suggestions in this marvelous new book, including many of the newest varieties.

GET THIS CATALOG

A real guide book to Nature's storehouse of beauty around the home and good things for the table. WRITE TODAY for your copy of the Ferris 1949 Catalog—it is free but the supply is limited. So don't delay.

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Good Blooming Size MIXED

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Scott Elliott COLUMBINE
4 Hybrid Plants $1.00

Large flowered, long spurred. Bloom late May and June. Rose, Blue, Yellow and Blends. An abundance of bloom. Shipped postpaid. Send dollar with ad.

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Lustrious, violet blue color. Strong, hardy plants. 2 plants sent postpaid for $1.10

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New! Blue-Leaf ARCTIC HEDGE

The Friendly Way to Fence!

A new distinctive color. Beautiful silvery-blue-green feathery foliage. Super-hardy. Dwarf habit. Trim as desired. Grows in sun or shade, in any soil.

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For years a specialist in the most satisfactory of common flowers, I believe my catalog is the best, largest, most up-to-date book published on Glad Culture.

Hist 330 leading varieties—including this year's top introductions, old and new favorites and the best from the WORLD'S leading hybridizers. Many **Special Collections** of wonderful value. You'll like the 12 Groupings—earliest, tallest, most beautiful, etc. Write today for this fine GOVE GLAD BOOK sent anywhere for 6c stamps.

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in a box, greenhouse or hotbed. Scientific instructions, copyrighted, including culture, $1.00. It is easy to root cuttings, quickly, Camellias, Azaleas, Gardenias, Roses, Evergreens, and all plants, any time, with our simple instructions.

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NATIONAL NURSERIES Dept. 3 Biloxi, Miss.

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B 17-E ELECTRIC $99.50

Whether you like your grass cut short or long, Sensation's whirling blade does the job in half the time required for hand mowing. Chops grass clippings into a fine mulch which rebuilds the soil. No raking. No trimming. No grass catcher needed. Ballbearing wheels with pneumatic tires make mower easy to push. Also self-propelled models for large lawns.

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100 Seed, Choicest Mixed Colors 10c

Send 10 cents today for this **Special Offer** and I will include my **79th Annual Seed and Nursery Catalog** absolutely **FREE**

R.H.SHUMWAY SEEDSMAN, Box 333, Rockford, ILL.

"Buying a New Lawn Mower? Tell you what you do..."

I been sharpening lawn mowers thirty odd years now. So I guess I know a good mower.

Course you *want* a good one. No sense having to buy another four, five years from now.

First place, remember that what you want a lawn mower for is to *cut grass*. Just that.

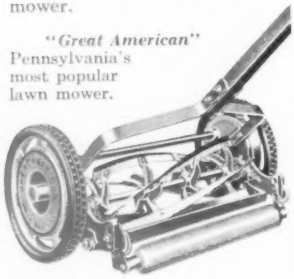
There's a lot of important things about a lawn mower you can't see. Like the kind of steel in the blades—whether it has good ball bearings and cut gears on both sides—whether you can true it up and be sure it'll *stay* trued up. Average man has to take things like that pretty much on faith.

Tell you what you do:

Find out where they sell Pennsylvania mowers. There's five of them—Great American, Meteor, Pennsylvania Jr., Penna-Lawn and a power mower—for different kinds of lawns, different kinds of grass and different size pocketbooks. Those Pennsylvania people been making fine lawn mowers for more than 70 years. Some of their mowers been cutting grass for ten, twenty, forty years.

You'll be mighty pleased with a Pennsylvania-made lawn mower.

"Great American" Pennsylvania's most popular lawn mower.



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QUALITY LAWN MOWERS SINCE 1877

PENNSYLVANIA LAWN MOWER DIVISION

AMERICAN CHAIN & CABLE

Camden N. J. • Bridgeport, Conn.

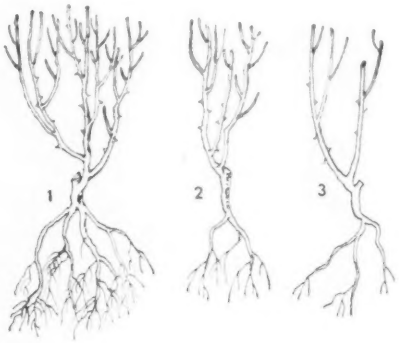
Continued from page 53

How to grow a rose

YOU can grow a good healthy rosebush—or a dozen of them—on your first try, if you will follow directions.

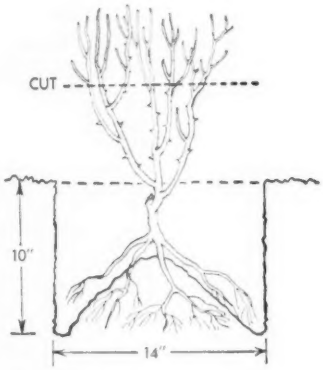
Keep in mind that a woody plant like a rose stores plant food during the winter in its stems and roots. It will start its spring growth on this stored food.

Very soon after the buds push out it must have sunlight, water, and its roots in good soil in order to produce new leaves, and push up strong new stems with fine blooms on them.



How to buy

Start with the best plants you can get. Buy only of reputable dealers and if mailing your order, ask for No. 1's (Nos. 1 and 2 above). If picking dormant plants from a bin, take nothing poorer than a No. 1½ (No. 3). Look for short shanks between roots and knob of graft, stems one-third inch through and more, plump unskinned bark, and 3 to 5 main roots



How to plant

Choose a spot with at least 4 hours sun a day and quick surface drainage. Allow 20 to 24 inches around each rose. Dig out soil at least 10 inches deep. Form cone of soil on bottom, spread rose roots over cone. Use the best topsoil next to roots. Half-fill hole with water, jostle slightly. Finish with topsoil

More on next page

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How to feed

Nitrogen, phosphorus, and potash are most important elements in feeding roses. Supply these in form of a balanced plant food or special rose food. Place out from stem, over root tips. When plants have been in place 3 weeks, give each a handful (about 1 cup) of food and water thoroughly at once

How to water and protect

Roses need a good watering once a week in spring and summer. Apply water at soil level, without splattering. Hold tip of sprayer or duster near soil when spraying or dusting. To kill disease spores and pests, coat leaves lightly every 10 days with combined Fermate, sulfur, DDT, and rotenone

How to cut

Always cut a rose with an eye to the health of the bush and other buds to come later. Take no longer a stem than you actually need. Always leave two full-size rose leaves on the stub and make the cut with very sharp shears or knife one-quarter inch above base of topmost leaf left on the stem

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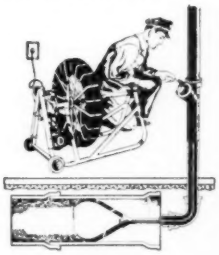

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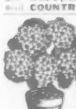

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Voted the dozen favorite roses

Begins on page 53

put it in undisputed first place among dark red roses everywhere except in Texas and California gardens. The many-petaled blooms develop from handsome urn-shaped buds, and the excellent color stays until the last petal falls.

Etoile de Hollande. This fine red is slightly lighter than Crimson Glory and almost as popular. It wins votes with its generous show of fine blooms on good stems.

Charlotte Armstrong. Spectacular for size, color, and height, this dramatic variety has rose personality plus. The vivid cerise-pink blooms get the eyes of visitors a long way off. Close examination is just as pleasing.

Eclipse. This yellow rose is liked the country over for its sleek, long buds, its pure, clear color and the nonfading high-quality flowers. A fine rose to show off in a bud vase and a good one for buttonholes, too.

President Herbert Hoover. The only multicolored variety to make the top dozen, this long-time favorite supplies large-size blooms on stems plenty long for cutting. In each bloom you can find, cerise, gold, flame, and buff tints. A tall-growing rose.

Nocturne. The newest of the reds in this list, Nocturne is gaining in popularity almost hourly. With long buds like Charlotte Armstrong's and a color very close to Crimson Glory's, this vigorous, fragrant rose is outstandingly fine.

Picture. With beautifully rounded petals of a rich, wholly satisfying pink, this rose is applauded from coast to coast. A suffusion of gold in the heart helps create the effect of sparkling color. The whole plant has distinction.

Mirandy. This blackish crimson rose does its magnificent best when the huge blooms can unfold in constant sunshine and heat. If cold, or opening in foggy weather, the flowers sometimes blue disappointingly. One of the most fragrant roses we can grow.

Mrs. Pierre S. DuPont. Still a favorite 20 years after its introduction, this variety keeps up a steady production of nicely turned out, clean yellow blooms. Good for small beds or a front-row place because the plants seldom reach above two feet.

Christopher Stone. Another fragrant red with a brilliant long-lasting color that does not blue. This variety is unusual because the open flowers are more uniformly fine than the buds are.

Red Radiance. This is the dependable red rose for southern gardens (and the sixth *red* rose in this

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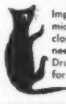

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list). The blooms of Red Radiance are not large nor high-centered. But they come by the dozen and for mass effect it gets the votes.

Ranked at the top for sweetness

Here are the best roses to bury your nose in. The 25 hybrid-tea varieties listed below rated tops in three recent polls taken on the most fragrant roses.

Cecil Solly, radio commentator and authority on gardens in the Pacific Northwest, sampled opinions on rose fragrance in that greatly rose-favored section. Nurserymen in all the large rose-growing areas and the directors of the American Rose Society were polled separately on the same subject by Secretary Ray C. Allen for the American Rose Society.

Crimson Glory—full fruity perfume

Etoile de Hollande—very pleasant true rose scent

Mirandy—a very full-bodied but unmistakably rose perfume

Heart's Desire—vermilion-red, intensely fragrant

San Fernando—a very new red with a heady captivating scent

Hadley—old-time favorite dark red. Rich true-rose scent

Christopher Stone—damask fragrance

Rubaivat—a splendid newer red with opulent old-rose scent

Nocturne—slightly spicy

Hector Deane—a lively Chinese red with a heady scent

Girona—a multicolor with pleasant strong fruity scent

Saturnia—brilliantly orange-red, fruit-like fragrance

Texas Centennial—tall multicolor with pleasantly strong fragrance

Taffeta—new multicolor with pronounced but not cloying perfume

The Doctor—huge, brilliant pink, strong, clean wild-rose scent

Applause (see page 52, January *Better Homes & Gardens*) strong sweet fragrance, just plain rose

Sweet Sixteen's perfume just suits its lovely pink petals

Neige Parfum—handsome white with invigorating perfume

Dickson's Red—a big bold scarlet with an alluring odor

Golden Rapture—old-rose scent

Golden Dawn—a big light yellow that's delightful to sniff

Hinrich Gaede—a brilliant copper-red that smells like raspberries

Countess Vandal—coral and rose bicolor with scent both rich and sweet

Kaiserin Augusta Victoria—a beautiful, precisely rolled, antique with a true tea scent.

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Packet of Rare Seeds FREE

No one can buy these seeds anywhere! *Biggest Marigolds ever,* more colors than any other kind, even amazing bi-colors—*it took 10 years to develop them.* Your neighbors will envy you! *You* get this generous packet FREE—just send stamp for postage.

Burpee's 1949 Seed Catalog will also be sent to all who write for the free Marigold seeds.

Burpee Customers—You will receive *your Gift Packet* of seeds of these outstanding new Giant Marigolds to grow in your garden this summer, POSTPAID with your order from the new Burpee Seed Catalog, *without even having to ask for it!*

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High blood pressure

Begins on page 50

What are the symptoms?

Often, none at all. In early stages the body frequently adjusts so well to high blood pressure that it makes no complaints. When symptoms do arise they are not very specific. Headache and dizziness are most common. Insomnia, heart flutterings, general weakness may also be complained of. And every one of these symptoms could arise from something else.

Is it a deadly disease?

Strictly speaking, it's not a disease at all, but a symptom with a hundred possible meanings. You might liken it to a headache, which is also a symptom. That is, a headache *can* arise from a brain tumor, but it's much more likely to come from something simple, such as eyestrain or unwise eating. High blood pressure is just a clue which directs your doctor to study your condition to see whether or not it is associated with damage to organs. There's a good chance that it isn't. Most people with high blood pressure are relatively normal, don't need much medical management. Statistically, high blood pressure is *associated with* shortened life. But it's not at all unusual for individuals with it to outlive their life expectancies.

Then what makes it serious?

Damage to vital organs—particularly the heart, blood vessels, brain, and kidneys—is the great threat of high blood pressure. That is why your doctor X-rays or fluoroscopes your heart to determine if high-pressure work has enlarged it. He looks into the back of your eyes with an ophthalmoscope. There he can see the condition of living blood vessels. He studies other near-the-surface vessels. He makes tests to determine how well your kidneys are functioning.

If you have a stout heart and good blood vessels, your chances of living a long life despite high blood pressure are pretty good. Unnecessary worry about your pressure, despite your doctor's reassurances, can take much of the zest out of life. A yearly checkup will enable your doctor to discover signs of complications, if any.

At what point does pressure become high?

There is no sharp line between normal and abnormal blood pressures. But for practical purposes an arbitrary standard had to be adopted. Sustained blood pressures higher than 140/90 are considered to be hypertensive. In this case, the 140 (millimeters of mercury on the scale) is *systolic* pressure, the pressure when the heart is at the peak of its beat. The 90 is *diastolic* pressure, the force when the heart is at rest between beats.

When asked, "How high is your blood pressure?", most people (if they happen to know) answer 120 or 140 or 200—whatever the systolic pressure happens to be. But your doctor is *much* more concerned about that seemingly in-

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nocuous little diastolic figure. The reason is that high diastolic pressure is more likely to be associated with hypertensive disease—damage to heart, blood vessels, and other organs. You can have a relatively benign form of high blood pressure in which high systolic pressure goes along with normal or low diastolic. The cause may be nervous influences, or thickening and loss of elasticity of large arteries, especially the aorta. The heart has to pump a little harder, but no great stress is imposed on other organs.

Does age have much to do with it?

The frequency of high blood pressure increases with age. However, the figures don't mean quite what they seem to if we're thinking of high blood pressure as a symptom of serious disease. In general, the *younger you are*, the more seriously you should take it.

If you reach 45 without developing high blood pressure, you have a fine chance of living a long life even if your pressure jumps in later years. If high blood pressure is going to lead to real organic damage, it usually starts doing so before early middle age. At New York's Presbyterian Hospital, Dr. George A. Perera studied 200 patients and found that 92 percent of them were under 40 when they found they had high blood pressure.

Can you avoid it?

Many persons with mild high blood pressure have no real need of following rigid rules and regulations. But if your doctor raises his eyebrows at your way of living, or if his checkup reveals signs of oncoming damage, complications may be avoided if you learn to saunter instead of gallop. Better than medicine, says Dr. Paul D. White, noted New England heart authority, is a way of life including such measures as: A planned program of leisure. Doing six hours of work in eight instead of crowding 24 into 16. Vacations spread through the year. Mild exercise, unhurried and enjoyed (preferably noncompetitive, so you don't have to outsweat an opponent). Eight to nine hours in bed every night, and an hour's rest at midday before or after lunch. Reduction in weight if you're too fat.

What about diets?

Low-calorie reducing diets usually bring down blood pressure if the patient is overweight, and are a sound health measure for anyone who is too fat. The much-discussed rice diet for high blood pressure, introduced by Dr. Walter Kempner of Duke University, is a stringent measure for hypertensive patients who have organic damage. Not strictly a reducing diet, it allows up to 10 ounces of rice daily, boiled or steamed in plain water or fruit juice. Fresh, canned, or dried fruits are allowed if nothing but white sugar has been added to them. All fruit juices (but no tomato or vegetable juice) are permitted, and white sugar as desired. A supplementary vitamin pill is taken, and that's all.

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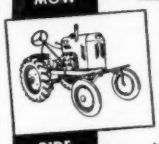

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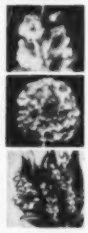

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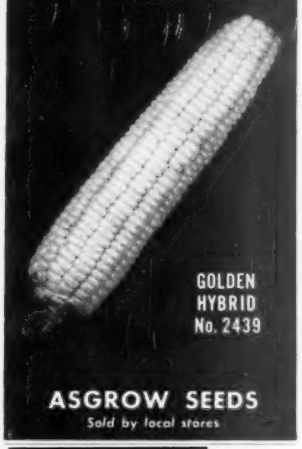

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High blood pressure

Continued from preceding page

peculiar, specific virtue is not shared by most doctors. Similar benefits have been achieved by non-rice diets equally low in salt content. Doctor Kempner reports that three out of five severely ill hypertensives have a reduction in heart size, blood-pressure drop of at least 20 points, and improvement of blood vessels in the eyes, on the strict rice program. The drawback is that some patients aren't helped and many won't stick to a highly distasteful diet.

Mild starvation will reduce blood pressure. Dr. Ancel Keys, of the University of Minnesota, found that high blood pressure all but disappeared during wartime famine years in Leningrad. But two years after Leningrad started eating normally again, high blood pressure suddenly showed a fourfold increase in younger persons, threefold in the age-50 group. Doctor Keys suggests that if a patient on a rice diet abandons his restrictions, he may be worse off than before treatment was instituted. The average overweight hypertensive who has no complications requiring more specific treatment would perhaps do better to go on a balanced reducing diet because this teaches a way of eating that should be followed for life.

Does salt cause high blood pressure?

No, but if high blood pressure already exists, table salt may make matters worse. Salt tends to bog down the tissues with water. Kidneys not quite up to par can't get rid of salt efficiently. So the doctor is very likely to order a salt-poor program if high blood pressure is getting out of hand. It's more than going easy on the salt cellar at the table. Salty foods—ham or sauerkraut, for instance—are forbidden. No salt can be added to cooking water. And such seemingly saltless things as a dose of sodium bicarbonate for an upset stomach are ruled out, because it is the sodium part of common salt that causes trouble. Low-salt treatment is now so general that the drugstore has

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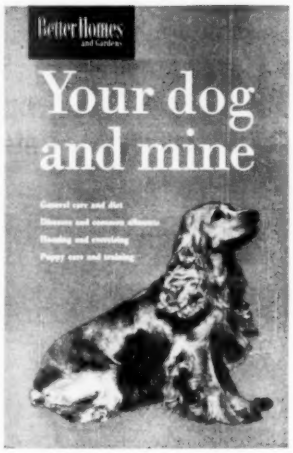

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half a dozen substitutes which taste like salt but differ chemically.

Are there drugs that help?

Scores of them! Almost every substance has been tried, including mistletoe and pumpkin seed. And the odd thing is that most of them work, at least for a time. Your doctor has drugs that are very useful in treating symptoms but which are not claimed to cure. Some drugs ease hypertension by expanding the diameter of blood vessels. The nitrites are an example. Potassium thiocyanate is sometimes effective in relieving headaches, but has toxic possibilities. Sedatives are very useful in relaxing tensions; the barbiturates are most popular. Despite scare stories, you run hardly any chance of becoming a bug-eyed dope addict if you use sleeping pills as your doctor orders.

Can surgery cure high blood pressure?

No, but there is a dramatic operation for relief of symptoms in desperate cases where all other treatments have failed. One factor in producing high blood pressure is nerve impulses that make blood vessels tighten up. The operation known as sympathectomy consists of cutting fibers of the sympathetic nervous system so that orders to tighten up no longer get through. Usually, sympathectomy brings a drop in blood pressure, abolishes distressing symptoms such as headache and dizziness, frequently restores miserably disabled patients to active working life.

There is a grimmer side of the picture. Sympathectomy is a major operation, convalescence is long and can be quite painful. Blood pressure tends to climb again, up to its old tricks, after months or years. Only about 4 percent of all hypertensives (very few of these are past 50) pass the rigid test of suitability for sympathectomy. But for the younger patient with unmanageable, rapidly increasing high blood pressure, sympathectomy is a hopeful court of last resort.

Alcohol and tobacco?

Differently! Alcohol is a depressant, not a stimulant. It tends to relax and dilate the blood vessels. Tobacco is just the opposite—a blood vessel tightener-upper. If your high blood pressure is kicking up enough signs of trouble to make the doctor warn you to watch your step, he is much more likely to urge you to go easy on smoking than to give up a daily highball.

New treatments in the offing?

Always! Research may eventually lead to treatments much more specific than anything we now have. The part played by what the doctors call humoral factors is being investigated. That is, fluids secreted by the body are known to have chemical effects on blood pressure. Two such substances have been isolated from the kidneys: one acts to increase blood pressure, the other to subdue it. A way may be found of keeping these teeter-totter forces in balance.

[*Turn to next page*

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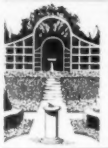

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High blood pressure

Continued from preceding page

Drugs which perform something like the sympathectomy operation by purely chemical means are being studied. One goes by the long name of tetraethyl ammonium chloride. Instead of cutting the nerves, as in sympathectomy, this drug blocks pressure-raising nerve impluses for brief periods. However, these and other experimental measures have not reached the stage of routine treatment.

Money for research has been of small-change proportions, compared to funds spent for study of diseases afflicting far fewer people. The American Heart Association is a nationwide organization spearheading the attack on heart and associated diseases, and a large proportion of the funds it collects is used for projects on high blood pressure.

Should you worry about high blood pressure?

Frequently a patient who feels perfectly well is found on routine examination to have a higher than normal blood pressure. From then on, if he isn't properly advised, he begins to notice symptoms and can easily become an imaginary invalid. Much unnecessary worry is focused on day-to-day changes in blood pressure. You are frightened by a figure, but you aren't any better off the day your pressure drops 20 or more points, or worse off the next day when it climbs back up. You aren't bound to have high blood pressure just because it's common. Some of us probably couldn't get it if we tried! One road to peace of mind, if your pressures are creeping up, is to live within the way of life your doctor suggests and to forget about the fluctuating height of your pressure readings. It is surprising how often the hypertensive is an essentially normal person who needs little or no change in activities that give him the most satisfaction—and more than surprising how many patients live up to and beyond their life expectancies.

There is comfort, too, in the fact that high blood pressure is an adjustment of body machinery that assures vital organs of getting an ample blood supply. In a heartening sense, high blood pressure is not a purposeless threat of imminent disaster, but an adaptation that keeps you alive.

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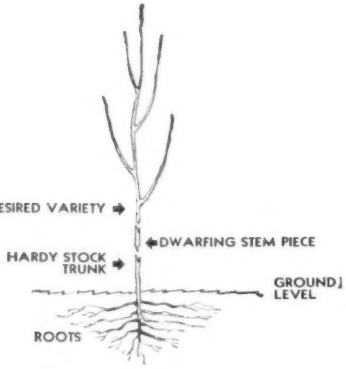
You can grow fruit on a 50-foot lot

Begins on page 42



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Paradise or one of the several Malling understocks have been much used for dwarfing apple trees. A tree on Malling or Paradise understocks must be set with the knob of the graft well above the ground. Otherwise, in time the top might form its own roots and, freed of the dwarfing influence of the understock, become a standard-size tree.

For severe climates, better dwarf trees are now being made by a double graft (see sketch above) which results in a tree made of three parts.

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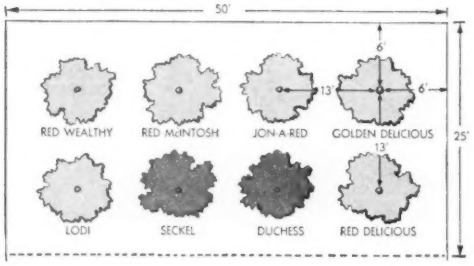
Onto this with a tongue graft he puts a 5- to 6-inch piece of the hardy Clark dwarfing stock.

Into the upper end of the dwarfing piece is budded the desired variety of apple. All this takes skill, patience, and time.

Once the tree starts growing again, the dwarfing insert swells in girth faster than the tree body above and below and continues this way.

Besides restraining the height of the top, this band hinders the downward movement—what fruit men call translocation—of plant foods. And this results in early formation of larger numbers of fruit spurs—exactly what *you* want.

Here's what you can plant on a 50-foot lot



YOU can quite literally eat your way around the place if you plant a family-size orchard of dwarf trees. This planting plan gives you apples to pick from late summer until frost and excellent kinds to store for winter eating.

The trees will bear from a half to a bushel each.

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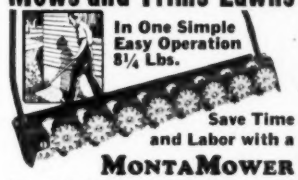

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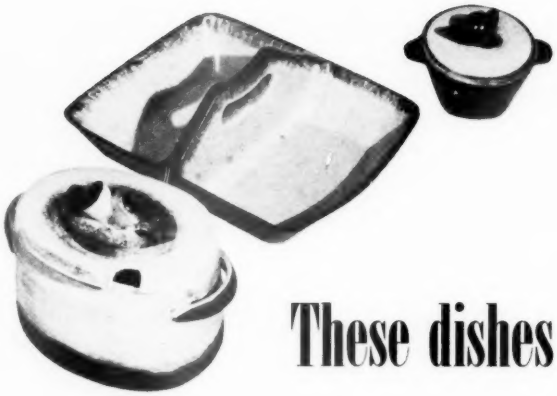


These dishes

Cinnamon-colored horses prance against a spice-cake brown background. Skillets are convenient, and different for individual service

Photographs: Stanley

These dishes come in a wide range of colors. Those at left are yellow, brown, and green. The plain dishes are yellow, green, or chartreuse

Pine green and beige are the colors of these dishes. Try the oval casserole for baked beans and the small ones for individual service. Double vegetable dish is handy for buffet service

do double duty

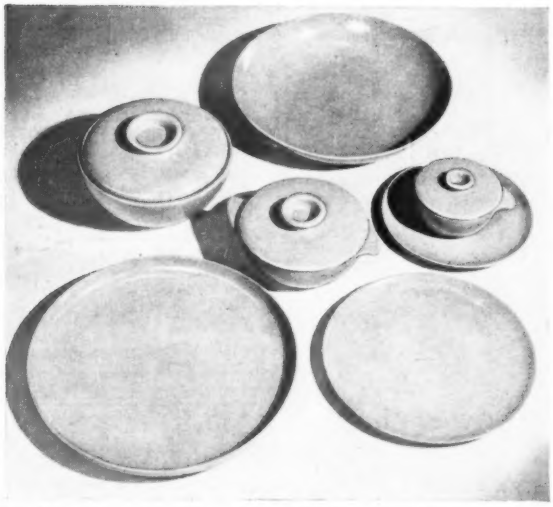
You can cook *and* serve in them. Result: hotter food, less dishwashing

By Fae Rowley

HERE are dishes that are efficient in the *oven*, effective on the *table*. Yes, you can cook in these smartly designed dishes. All of them, from the large casseroles to the individual bowls, have been specially treated to make them heat resistant.

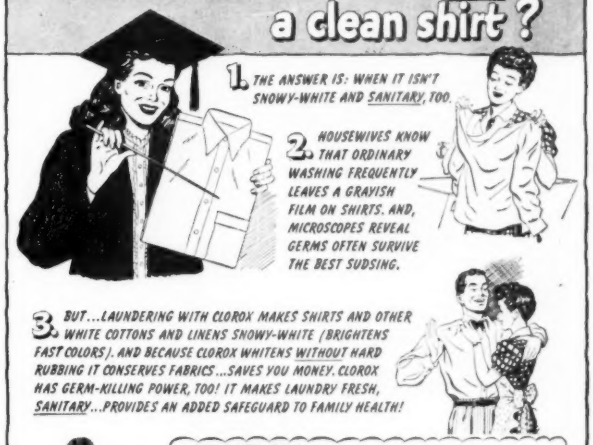
In these dishes omelets, baked beans, and chicken pie emerge from the range ready for any occasion from a family breakfast to a company dinner. Because they're a little heavier than the average china or earthenware, the dishes will stand hard usage.

Where to get it, page 181 ***More on next page***



Plates shown here come in either soft beige or aqua. The covered bowls in graduated sizes are for casseroles, hot cereals, soups, stews

When is a clean shirt not a clean shirt?



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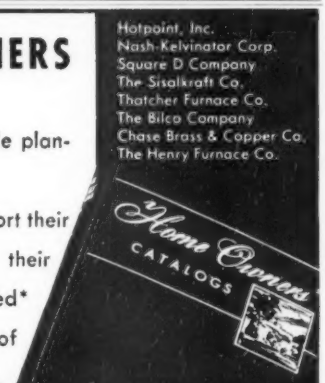

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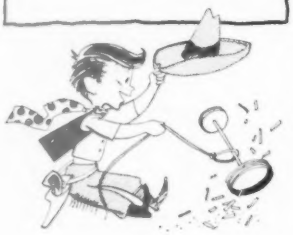
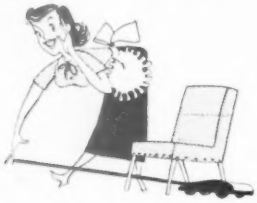


When your young buckaroo upsets the ashstand on your freshly cleaned rug . . . don't scream. Run for your new Bissell Sweeper . . .

And whistle! Bissell Carpet Sweepers now have "Bisco-matic"* Brush Action for the easiest clean-ups ever!



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Illustrated: The "Vanity" at $8.45. Other models from $6.45. All with "Bisco-matic" Brush Action, easy "Flip-O" Empty, and "Sta-up" Handle.

Bissell Sweepers

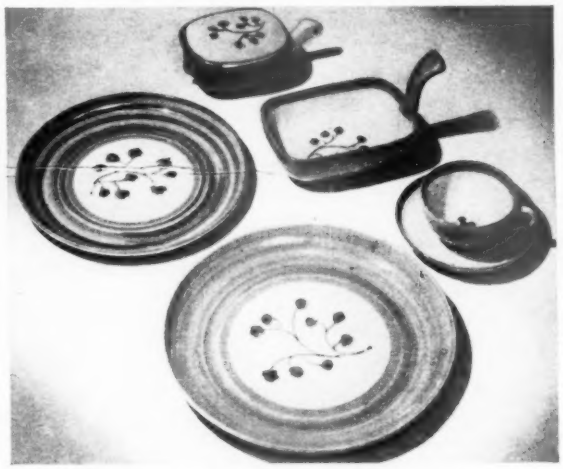
The Bissell Carpet Sweeper Co.
Grand Rapids 2, Michigan

*Reg. U. S. Pat. Off. Bissell's patented full-spring controlled brush

These dishes do double duty

Begins on page 220

This pottery comes in many color combinations, including chartreuse with dark green, pink with dubonnet. The 6-inch skillet is copper



Turtle casserole (top) and matching plates, cup and saucer, and saucedish with handle come in many colors. These are green, brown, tan

Metal holders in chartreuse, green, or white, with gold design, dress up glass baking dishes. Pottery bakers are emerald green and white

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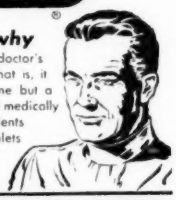

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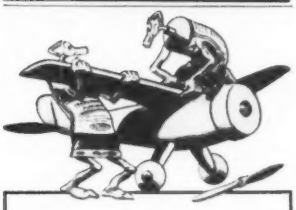

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We all run up against foreign food names we can't pronounce, or cooking terms that mean nothing. Find out what it is, or how to do it, by consulting this complete food dictionary. Order *Better Homes & Gardens* ***Food Pronunciation Guide.*** Booklet 89, 20 cents.

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When the meat and potatoes, vegetables, and gravy all need attention at once, you'll find this ***Kitchen Gadget Shelf*** as helpful as a third hand. Hang it near your stove, where it's always ready with the utensils you need. Dad can make it; you can paint it to match your kitchen. Pattern 3.408 tells how. 25 cents. A gay ***Peasant Shelf*** for spice jars or small pieces of pottery will liven the Provincial kitchen. Full-sized pattern offers design to simplify painting. Pattern 3.402 is 25 cents.

If you're planning to build a new home, here's a valuable tip. *Better Homes & Gardens* book of ***Home Building Ideas*** offers you authoritative help in every phase of planning and building a new home—from selection of the right lot to installation of fixtures. Price of this complete guide, $1.

Better Homes & Gardens' ***Five Star Homes*** features plans for 66 homes. They are designed by leading architects to combine top comfort and convenience with lowest possible costs. When you find the home you want, you can buy complete ***Working Drawings.*** The book is 50 cents.

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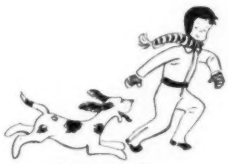
Handy in the bedroom, but attractive enough for your living room is this ***Hanging Bookcase.*** And it's so easy to make—just trace the full-sized pattern on wood, cut and assemble. Pattern 3.421 is only 15 cents.

Equally easy to make, is a narrow ***Wedgewood Shelf,*** which you can hang just under your kitchen cabinets, or in the bathroom, for the little things you want close at hand. Make it from Pattern 3.404, 25 cents.

For a complete listing of *Better Homes & Gardens* booklets and patterns, write for B-J-6. ***Extra Helps.*** It's free for the asking.



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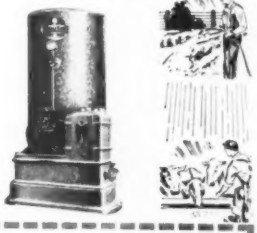

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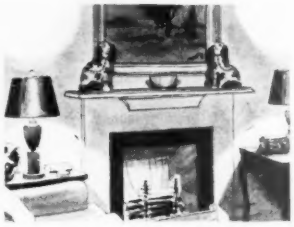
Pick the right lamp—and get better lighting

By Harry Richardson

With one simple change you may see the old room in a brand-new glow



Don't expect your mantel to look dramatic by the half-light of a faraway reading lamp or ceiling fixture. Even a colorful picture hung here will be lost completely

Do spotlight your over-the-mantel picture. Any low pewter, brass, or copper bowl can be wired for light. It acts as its own reflector

Don't cast large shadows in a child's room by using a small table lamp. And don't expect a china base or paper shade to last

Do keep room bright with floor lamp with light-colored fabric shade. Weighted wood base will be hard for youngsters to tip over

More on page 225

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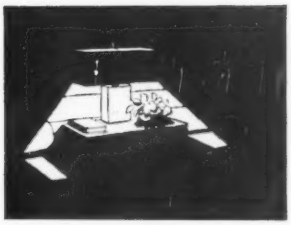
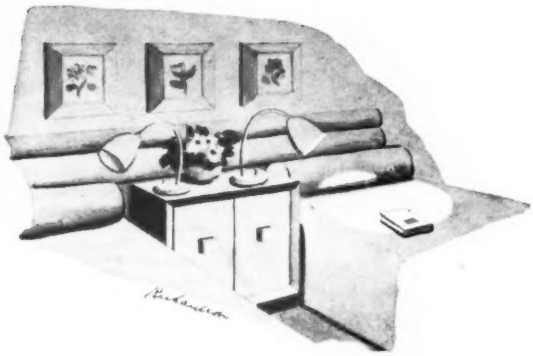


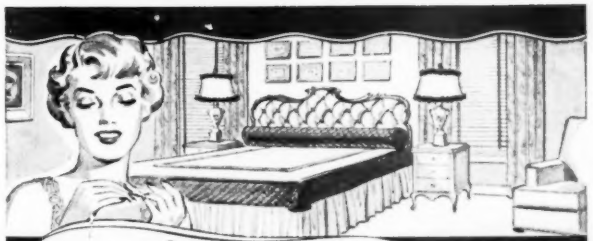
Don't try to stretch the light of one table lamp to serve twin beds. Even the widest lamp shade and the brightest bulb won't help you

Do use separate flexible arm lamps. Light focuses just where you want it. Dad can stay up till the wee hours finishing his mystery; Mother sleeps undisturbed



Don't furnish end tables with low, one-bulb lamps that hide your living room's beauty in half-darkness. They are neither good decorating nor good lighting

Do use tall lamps with two or more bulbs. Hang small pictures low enough to be in your lamp's wide circle of light



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Your kitchen or bathroom can sparkle with your favorite colors in gleaming easy-to-clean tile at the cost of a good paint job. Send for full details and a sample of *Alumitile*, the astonishing all-aluminum wall tile which gives you all of the advantages of tile at a cost to fit the most modest budget. Fourteen rich decorator colors permanently baked onto light weight indestructible aluminum tiles. Water-proof . . . wear resistant . . . *Alumitile* won't rust, craze or peel. So easy to apply you can do it yourself!

HASTINGS *Alumitile*

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Please send me your free booklet "Modern Living with Tile" and full size sample of economical *Alumitile*.

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For all your Knitting!

Wonderized*

ANTI-SHRINK ANTI-MATTING YARNS

Exclusive in BEAR BRAND YARNS Fleisher's Yarn

FREE! Instruction leaflets for knitting men's, women's and children's sweaters, also men's socks. Send 3¢ stamp to cover postage to Wonderized: 30-20 Thomson Ave., Long Island City 1, N. Y. Dept. B-29

'Tater Baker

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TOP-OF-STOVE ONE BURNER OVEN

TAKE IT EASY... Bake potatoes, biscuits, puddings and many other dishes without wasting fuel to heat a big oven. This gleaming, sparkling chrome "little oven" has cool, finger-grip Bakelite handle and tricky escape valve under cover knob to permit adjustment for gas or electric heat. It's wonderful for heating up buns and left-overs, too!

Guaranteed by Good Housekeeping

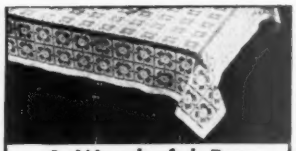
If you can't get a genuine 'Tater Baker from your local dealer, show him this ad and tell him to write us.

$3.00 (slightly higher In South & West)

The EVEREDY Co.
FREDERICK, MARYLAND

Mfrs. of Speedy-Clean Cookware

WORLD'S LARGEST MAKERS OF CHROME KITCHEN UTENSILS



A Wonderful Buy

$1.85 Tudor $2.25

54" x 54" Lace-Net 54" x 72"

TABLECLOTHS

Modern filet design in popular egg-shell color. Finest 2-ply cotton; sturdily stitched hems; last through many washings. Satisfaction or money refunded. Write today, stating sizes and quantities desired, with check or money order (no COD's). Shipped postpaid anywhere in USA.

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Think of it! 32 lovely pieces of stamped material which you can easily and quickly embroider. Costs only $1.98 yet you would expect to pay much more for these many pieces. A sensational bargain! Large scarf for dresser or radio, 7 pc. refreshment set, large center, end table or flush tank cover, doilies, samplers, pot holders, bibs, whisk broom holder, 3 pc. chair set, 3 pc. vanity set, 3 pc. buffet set, etc. etc.—32 pieces in all on fine white art cloth for only $1.98 plus postage and C.O.D. handling. **FREE** to Anyone—Embroidery hoop free, generous assortment six strand floss. Also free, amazing new invention fits on any sewing machine easily, quickly. Makes button holes, quilts, sews on buttons, attaches zippers, darns stockings, mends tears, etc. Sells elsewhere regularly for $1.00 but sent to you free. Satisfaction guaranteed, or your $1.98 refunded. You keep free gifts regardless. Could anything be more fair? You be the judge—you can't lose! Mail card *today*.

Knight Mail Order Co., Dept.3760B,3140 12th St., Chicago 12, Ill.

New EASY WAY to BRAID RUGS

AMAZING NEW INVENTION MAKES 24"x36" RUG IN 5 HOURS

NO RAW EDGES
NO FOLDING—PINNING
NO EXTRA SEWING

INTRODUCTORY OFFER $1.00 only COMPLETE SET

This sensational invention makes rugs EASIER and FASTER than you've ever dreamed possible. Just attach the 3 cone-shaped folders to strips of cloth—and braid. No more seams showing. No folding—no creasing. Just sew strips together with special handy Rug Needle included in set. Amazing Braid-A-Rug braids evenly. Ravel-proof. Rugs can be used on either side as no raw edges or sewing shows. Use any material—old coats, skirts, blankets, dresses, nylons—heavy or thin material. Introductory Offer only $1.00 includes set of 3 folders, Rug Needle and complete instructions.

Makes 1000 and One Other Articles

With amazing new Braid-A-Rug you can also make hats, purses, pot holders, belts, table mats, drapes, slippers, any size and shape rugs—oval, round, square—even hooked rugs!

Profitable Hobby!

Make up to $200 and more selling to friends! Many women have already been offered from $200 to $400 for their beautiful 9'x12' rugs—made with easy Braid-A-Rug!

—EXTRA—
For Prompt Action

If you hurry and order NOW, you will receive at no extra cost, one large spool of strong Carpet Warp Thread—enough to sew dozens of braided rugs!

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Use 10 Days at Our Risk

Just send name and address. On arrival, pay the postman only $1.00 plus C.O.D. postage. Use Braid-A-Rug for 10 days. If not delighted, return for your $1.00 back. Hurry—write to

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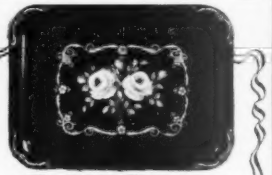

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Alcohol-proof and chip-resistant.
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$1 each

Charming little vases that reproduce old pieces. These are 4 inches high in delicate cranberry with crystal glass ruffle top. Use them for candle sticks, too. $1. each ppd. No C.O.D.'s, please.

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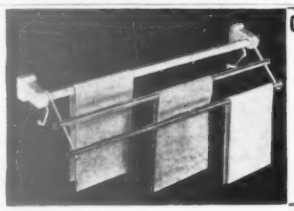
"On the Mississippi"
Davenport, Iowa



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Triple your towel space! Just hang it on your own rack—no screws or bolts. Brilliant Chromium plate over nickel on solid brass. Adjustable 15" to 25". **$3.95** POSTPAID

Single bar extension $2.25 Ppd.
Money Back Guarantee—No C. O. D.'s please

ALLEN METAL PRODUCTS CO.
26 Lefferts Rd. Yonkers 5, N.Y.
You can take it with you.

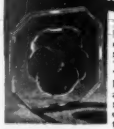
Through the Shops

A Valentine custom from England has been revived for these colorful note cards. There's ample space for a friendly message on one side; on the reverse side is a bright illustration of violets. When the card is folded and slipped into the envelope, it looks as if the envelope were lined with flowers. A box of 24 note folders and envelopes is $1, ppd. Agnestrong, Ltd., 39 W. Eighth St., New York 11, New York.

Flowering bulbs bring early spring into the house to tide you over these last long gray days. Bulbs are already well rooted and sprouted so flowers appear within a few days after you receive your plant. You have your choice of pink, blue, or white hyacinths; pink, yellow, or red tulips; yellow daffodils. Each 6-inch carton holds several bulbs. *Potful of Springtime*, $1.50, ppd. (15c extra west of Mississippi). David J. Scott Co., Corfu, New York.

Plastic Coasters and Tiles

EMBED REAL FLOWERS in *NEW* Magic PLASTIC



Now, create many unusual things like the distinctive pansy coaster shown—made by embedding real pansies in Castolite—the "magic" liquid plastic that "pours cold like honey . . . sets like glass" . . . at room temperature. Comes crystal clear or may be dyed for brilliant color effects. Embed other flowers, too, also coins, butterflies, medals, etc. Make really different jewelry, candlesticks, picture frames for gifts or to sell.

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Preserve treasured photos in Castolite. Make beautiful medallions like the one shown, unusual photo lampshades, lamp bases, paperweights with embedded photos. Send 25c for new Instruction Manual, packed with pictures showing how to get started. Write today.

MANUAL 25¢

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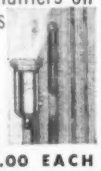
BANCROFT'S
2433 So. Indiana Ave., Dept. 450 Chicago 16, Ill.

ENJOY Spring-Like Air All Winter Long

Put AUTO-VENT Humidifiers on Your Steam Radiators



What is more uncomfortable—more unhealthful—than dry, parched air? Get rid of it NOW—at LOW COST! Simply remove air valve from each steam radiator and replace with an AUTO-VENT. Operation entirely AUTOMATIC—your home assured of spring-like humidified air.

$5.00 EACH

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Kit includes **design** size 20"x42" **stamped** in outline on **burlap. Hook, instructions.** Colored **wool** pieces for making flowers. How to Dye, and use your own materials. **$5.**

Send 20c for catalogue

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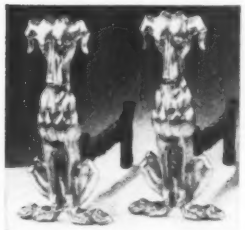
MAKE $25 or more quickly in spare time, with fast-selling Writewell Greeting Cards, Stationery, Name Labels, Gift Wrappings, etc. Friends, family, neighbors, everybody a buyer. Costs nothing to try. Credit to Clubs. "How to Make Money" Booklet FREE, with samples on approval. WRITEWELL CO., 782 Transit Bldg., Boston 15, Mass.

Name-marker kit includes 200" each of sew-on tape and Stick-Tite tape—the kind that irons on—a stamp pad with indelible ink, and a rubber stamp with your name on it. Use for labeling linens, school clothes, sporting goods, and other personal property. The *Jet Marker Kit* is $1.95, in stores or ppd., with one line on the stamp. Additional lines, 50c each. Janss, 725 Rahway Ave., Elizabeth, New Jersey.



Faithful dogs guard your fireplace and hold logs in place. Log bars are cast iron, notched to keep logs from slipping. The dogs have the sad faces and typically splayed feet of a good hunting hound; 14" high with 14" log bar, the pair comes in gray iron at $18.75; brass plated, $24.50; solid brass, $39.50; ppd. Tennessee Chromium Plating Co., 206 Louise Ave., Nashville 5, Tennessee.

Express your artistry in needlelace to beautify your home. Medallions may be joined into bedspreads or tablecloths; squares into afghans or shaggy rugs. Looms are plastic; directions for 8 different pieces are 20c and 25c each. Fine needlelace closely resembles European pillow lace in dainty quality. *Needlelace Loomettes*, 3" round, 75c; 6", $1.25; 3½" square, $1; ppd. B & M Art Co., Box 1558, Little Rock, Arkansas.

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BAKE IN IT!
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BOWL ONLY $3.50 POSTPAID

*Specially designed to fit turntables of all popular electric food mixers.

Now . . . Non-breakable mixing bowl that fits your electric food mixer. From refrigerator to hot oven without worry...Nothing to crack, chip or break. Rolled edge top for easy handling. Extra wide, flat non-tip bottom. Large 3 quart size. Bright gleaming finish...Swishes clean with a rinse. So handy, so easy to use, you'll find a lot more NEW uses for your electric mixer! Order by mail today. $3.50 Postpaid.

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Electric
"MOTO-SANDER"
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Saves time—Saves "Elbow Grease": Moto-Sander takes hard work out of two tough jobs . . . sanding and polishing. It's as handy in the home as your electric iron or sweeper . . . so easy to handle a child can use it. Quickly and smoothly sands or refinishes furniture, walls, woodwork, workshop projects; or speedily polishes furniture, automobiles, other surfaces. Moto-Sander delivers 7,200 strokes a minute . . . works into close hard-to-get-at places. Straight-line action (non-rotary) eliminates any possibility of wood burns or scratches. It's the lightest, most practical electric sander—the only one of its kind. Operates on 110 V.-60 cycle AC. Furnished with 6 assorted sheets Garnet paper for sanding . . . felt pad and sheepskin for wax polishing. Thousands of satisfied users.

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$3.98 for 3-passenger solid back coupe, or rear seat of coach or sedan
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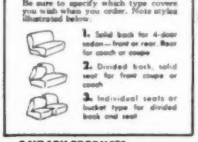
EASY TO INSTALL—on all types and makes of cars!
Be sure to specify which type covers you wish when you order. Note styles illustrated below.



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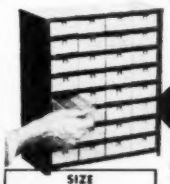
THE JIFFY METAL CABINET
(32 OR 64 DRAWERS)
HELPS YOU KEEP THINGS HANDY!



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SIZE
32 Dr. Unit 12¾" x 15¼" x 6"
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Drawer Size 1¼" x 2¾" x 6"

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For all those small items so easily misplaced—nails, screws, nuts, bolts, washers, buttons workbench and hobbyists needs. Sturdy spot welded steel cabinet with enamel finish—looks good anywhere. Why fumble? Keep it in a Jiffy. Send check or money-order today. No C. O. D.'s. Ohio orders add 3% sales tax.

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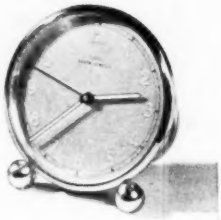

Little charmer will wake you up mornings with a gentle but persistent alarm. Only 4" high, the clock sits on two round feet, leans back on metal half-circle. The 7-jewel Swiss movement is accurate; winder, time set, and alarm button on the back are easily handled. All chrome plated with numerals and hands to match, $18.60; gilt, $22.20; including tax and ppd. Harley's Clock Shops, Altman Bldg., Kansas City 6, Missouri.

A gentle curve of transparent plastic holds outgoing mail by the front door where it won't be forgotten, or incoming mail where it can't be overlooked, especially if there's a clip for each member of the family. Or fasten the clip in the kitchen to secure recipes and memos, or by the telephone for messages. *Letter Clip*, 4" long, with screw, 50c for two, ppd. Mailshop, 10 Main St., Winneconne, Wisconsin.

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Keep him happy—at home!
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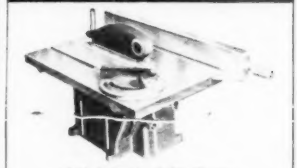

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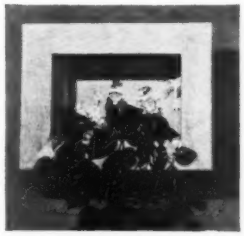

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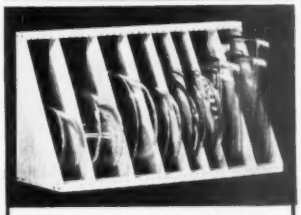

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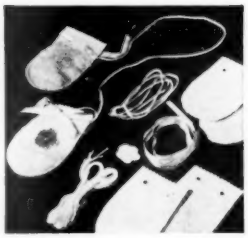

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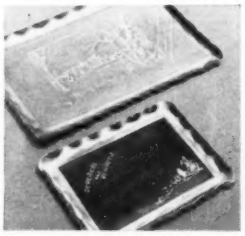

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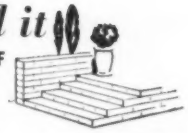

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THE MAN NEXT DOOR

One of our flossier friends vows she'd rather have a maid than be a two-car family.

"But it's rule No. 1 in the class struggle," she confides, "that when I do have a maid she always breaks my more expensive dishes first."

+ + +

Another February contrast that makes me feel my age: When I'm dressed in wool sox, scarf, sweater, galoshes, and overcoat, and encounter a sweet bareheaded young thing wearing about 24 ounces of ski clothes with the temperature only 5 above.

+ + +

One of our lazier friends complains that his active wife coaxes him to take physical exercises with her before breakfast.

"She wheedles and browbeats me," he reports, "even if I argue there isn't room enough for a man my size to squat and twist between the bed and the dresser."

So for safety's sake he gets up and tiptoes downstairs half an hour before she does.

+ + +

"It's a victory for our educators," says Les Gowan wryly, fishing his boy's cap out of the evergreen shrub. "Our kids lecture and scold us more nowadays than we lecture and scold them."

+ + +

"I could easily be led astray," says the most popular bachelor at the country club, "but fortunately I'm saved because the only women who dazzle me are so straight-laced."

+ + +

Since I gained my last 10 pounds, I've noticed that it's easier for a man to be well-poised and urbane if his clothes are loose all over, especially at the throat and waist. My blue suit is so tight that in the presence of a lovely woman I feel stuffy.

When I garage the car in late afternoon and detect the presence of six or eight teen-agers in the living room, I'm torn between two courses:

To march in boldly, as the breezy, undaunted modern parent, and exchange greetings and wisecracks on even terms as if I weren't afraid of 'em; or to tiptoe in unobserved through the side entrance. My decision depends entirely on how tired I am.

+ + +

For 12 years the kittenish blonde around the corner has put off having a baby, and she still acts like an itsy-bitsy bride.

Lately her husband's been telling her he still loves her, but that he's read in the Bible that men once took concubines.

+ + +

Our town's parties seem over-cluttered with high-toned people who took piano lessons when they were children but who can't play a note today. (Or only a small part of one ancient tune.) It makes me mourn the passing of the player piano and wish I'd claimed Grandma's when we divided up her furniture.

+ + +

For reasons too feminine to fathom, my wife's vexed with me when I point out that our town's foremost clubwoman has a son who at the age of 9 can't tie his own shoelaces.

+ + +

Well, I've been borrowing snow shovels all over the neighborhood this winter, hoping I might borrow back the one that a neighbor borrowed from me last winter.

+ + +

"Well!" snorted Phyllis Gowan, counting 14 men's shirts drying on the clothesline next door, "it's easy to see who's got the upper hand in that family!"

My dream girl and I differ decidedly on what really constitutes shopping. She thinks that if she buys something in the first store she visits, that's shopping. I argue it isn't shopping *unless* she visits at least *two* stores before she buys.

+ + +

I realized that our marriage was on solid and permanent ground when my wife began to offer me the kind of food I like at dinner, instead of trying to make me eat the kind she and her bridge table associates like.

+ + +

Our family is embroiled in a controversy about converting our dining room into a sort of annex to the living room.

I argue that we only use it for eating about 30 or 40 minutes a day some days.

But my dream girl quiets me with the news that her grandmother would turn over in her grave at the very idea.

+ + +

When the little boy you've scolded last night leaps into your bed in the early (but not too early) morning. . . .

When your wife removes your shoes after she thinks you've fallen asleep on the davenport. . . .

When your friends treat you and your wife as if you were one unit, with a singular joint-and-combined personality. . . .

When your child confides that he feels good tonight "because I haven't done anything naughty all day. . . ."

When your son's letters begin to reveal an observing eye on the life around him. . . .

When your daughter begins to discuss boys objectively, as if they were just boys . . . .

When you find your bedtime chats with your mate more fascinating than they were 15 years ago. . . .

When you suddenly discover that your family shares your secret idealisms and scorns the same things you scorn. . . .

Then you agree with the parson that marriage is a desirable state and will endure longer than the last statue of Venus.

—*HARLAN MILLER*

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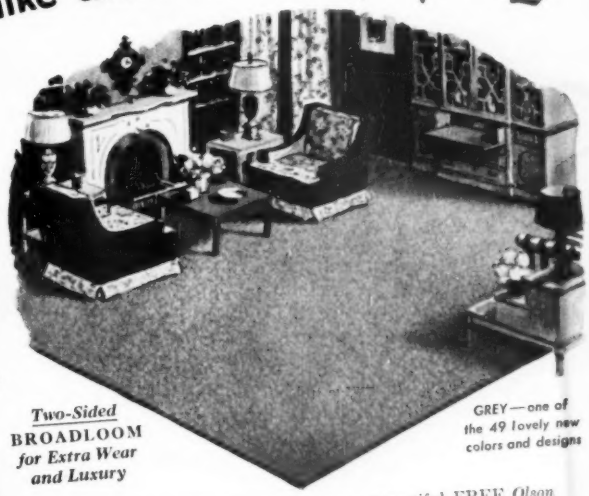

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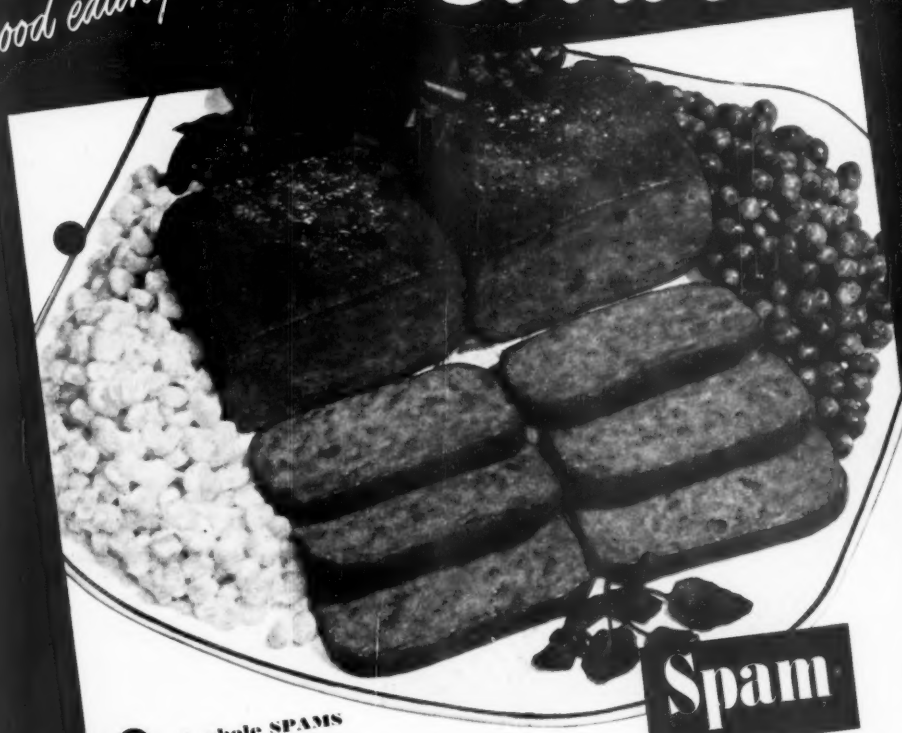
TWIN SPAM BAKE



2 whole SPAMS

Sauce for variation 1
2/3 cup brown sugar
2 tsp. vinegar
2 tsp. prepared mustard
2 tsp. water

Sauce for variation 2
1 cup canned fruit juice

Twin SPAMbake

Pre-heat oven to 350°. Put SPAM (two cans) in shallow baking dish. Bake 20 minutes as-is, or try these variations: (1) first cover the SPAM with a sauce mixed in order named above; bake 20 minutes, basting twice with pan juice, or (2) pour over SPAM 1 cup of fruit juice—pineapple, peach, prune—bake and baste as before. Serve with your choice of fresh, frozen or canned vegetables. Makes 8 servings. Why not try SPAM this way tonight?

SPAM 'n' French toast

Brown SPAM slices both sides in a little fat in hot skillet. *French toast:* beat an egg in ½ cup milk. Salt and pepper to taste. Dip day old bread slices in mixture quickly, fry in butter or hot fat. SPAM also makes a hit with pancakes, waffles, or eggs any style.

SPAMwiches

Cold: sliced SPAM with tomato; hard cooked eggs; cheese; apple sauce; peanut butter . . . chopped olives; sweet or dill pickles; carrots; onion . . . mustard; relish; horseradish; catsup. Denver SPAMwich: dice SPAM, green pepper and onion and cook with scrambled eggs.

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